

Memorandum

Date : December 28, 2001

Telephone: (916) 651-8839

File: Los Banos Voltage Support Facility

To: William J. Keese, Chairman
Michal C. Moore, Ph.D
Robert A. Laurie
Robert Pernel
Arthur H. Rosenfeld, Ph.D

From: California Energy Commission
1516 Ninth Street
Sacramento, CA 95814-5512

Subject: **LOS BANOS VOLTAGE SUPPORT FACILITY DATA ADEQUACY RECOMMENDATION (01-AFC-23)**

We have reviewed the Los Banos Voltage Support Facility Application for Certification (AFC) filed by Cummins West, Inc., on November 26, 2001. Staff does not believe the AFC meets the requirements of the Cal. Code of Regulations, Title 20, § 1704, Appendix B for the 12-month process. Therefore, we recommend that the Energy Commission find the AFC inadequate and adopt the enclosed list of deficiencies. Of the 23 technical disciplines reviewed, we believe the information contained in the AFC is deficient in 12 areas pertaining to the 12-month process. The sections of the AFC that require additional information to meet data adequacy for the 12-month process are: Air Quality, Biological Resources, Cultural Resources, Geological Hazards, Land Use, Noise, Paleontological Resources, Socioeconomics, Traffic and Transportation, Transmission Systems Engineering, Visual Resources, and Water Resources. Attached is a summary table and data adequacy worksheets for all technical disciplines. The worksheets for the aforementioned sections identify the additional information that we believe is necessary to fulfill the AFC data adequacy requirements.

Additionally, the applicant requested an expedited 6-month process allowed under Public Resources Code §25550 (AB 70, Chapter 329, Statutes of 2000). Of the 23 technical disciplines, we believe the information contained in the AFC is deficient in 10 areas. Staff believes, based on preliminary review, that this project has significant issues that prevent it from meeting the criteria set forth under the 6-month process, and will require more review and consultation time than would be allowed in a 6-month process. These issues include: 1) Air Quality; (the air district has viewed the application as incomplete and the air pollution mitigation does not include a method to verify emissions reductions), 2) Biological Resources; (a Section 7 Biological Opinion or a Section 10 Habitat Conservation Plan may be required by the USF&WS and a completely new species survey will be required), 3) Transmission System Engineering ; (an interconnection study identifying electrical system impacts has not been provided.) The following sections are also deficient: Cultural Resources, Land Use, Noise, Project Overview, Traffic and Transportation, Visual Resources and Water Resources.

At the Energy Commission's business meeting on January 9, 2002, I will recommend that the Energy Commission not accept the AFC and adopt the enclosed list of deficiencies.

If you have any questions, please call Jim Bartridge, the Energy Commission's Project Manager, at (916) 651-8839.

STEVE LARSON
Executive Director

SL:JB:jb

Attachments

cc: Paul V. Bleeker, Cummins West, Inc.
Fred Woodie, WZI
Jess Frederick, WZI

**LOS BANOS VOLTAGE SUPPORT FACILITY DATA ADEQUACY DETERMINATION
(12-MONTH AND 6-MONTH DATA ADEQUACY)**

Technical Area	Data Adequacy			
	12-Mo.	Page No.	6-Mo.	Page No.
Air Quality	No	1	No	6
Alternatives	Yes	7	Yes	9
Biological Resources	No	10	No	15
Cultural Resources	No	17	No	20
Efficiency	Yes	21	N/A	--
Facility Design	Yes	23	Yes	26
Geological Hazards	No	27	Yes	29
Hazardous Materials	Yes	30	Yes	32
Land Use	No	34	No	38
Noise	No	39	No	42
Paleontological Resources	No	43	Yes	46
Project Overview	Yes	47	No	51
Public Health	Yes	52	Yes	54
Reliability	Yes	56	N/A	--
Socioeconomics/ Environmental Justice	No	58	Yes	62
Soil Resources	Yes	64	Yes	66
Trans Line Safety/Nuisance	Yes	67	Yes	69
Traffic and Transportation	No	70	No	73
Transmission System Eng	No	74	No	77
Visual Resources	No	79	No	83
Waste Management	Yes	84	Yes	87
Water Resources	No	88	No	93
Worker Safety	Yes	95	Yes	97

ATTACHMENT B

**ENERGY COMMISSION STAFF'S
List of Data Inadequacies**

**LOS BANOS VOLTAGE SUPPORT FACILITY
(01-AFC-23)**

December 28, 2001

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12/27/01

Technical Area: **Air Quality**

Project: Los Banos Voltage Support

Technical Staff: Joseph M. Loyer

Project Manager: James Bartridge

Docket: 01AFC-23

Technical Senior: Keith Golden

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Page 5.2-1 to 40 Sec. 5.2 District completeness letter, dated Dec. 27, 2001	No	The applicant needs to address the incomplete items in the District's Dec. 27, 2001 completeness determination letter.
Appendix B (g) (8) (A)	The information necessary for the air pollution control district where the project is located to complete a Determination of Compliance.	District completeness letter, dated Dec. 27, 2001	No	The applicant needs to address the incomplete items in the District's Dec. 27, 2001 completeness determination letter.
Appendix B (g) (8) (B)	The heating value and chemical characteristics of the proposed fuels, the stack height and diameter, the exhaust velocity and temperature, the heat rate and the expected capacity factor of the proposed facility.	Appendix M-3 and -5	No	Provide the heating value and chemical characteristics of the diesel fuel.
Appendix B (g) (8) (C)	A description of the control technologies proposed to limit the emission of criteria pollutants.	Page 5.2-12 to 18 Sec. 5.2.3.3 to .6	Yes	
Appendix B (g) (8) (D)	A description of the cooling system, the estimated cooling tower drift rate, the rate of water flow through the cooling tower, and the maximum concentrations of total dissolved solids.	No cooling tower necessary for project.	N/A	
Appendix B (g) (8) (E)	The emission rates of criteria pollutants from the stack, cooling towers, fuels and materials handling processes, delivery and storage systems, and from all secondary emission sources.	Page 5.2-20 to 21 Sec. 5.2.4.2 Appendix M-3	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**

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Project: Los Banos Voltage Support

Technical Staff: Joseph M. Loyer

Project Manager: James Bartridge

Docket: 01AFC-23

Technical Senior: Keith Golden

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (8) (F)	A description of typical operational modes, and start-up and shutdown modes for the proposed project, including the estimated frequency of occurrence and duration of each mode, and estimated emission rate for each criteria pollutant during each mode.	Appendix M-3	No	Provide a discussion of the normal startup and shutdown procedure for the project.
Appendix B (g) (8) (G)	The ambient concentrations of all criteria pollutants for the previous three years as measured at the three Air Resources Board certified monitoring stations located closest to the project site, and an analysis of whether this data is representative of conditions at the project site. The applicant may substitute an explanation as to why information from one, two, or all stations is either not available or unnecessary.	Page 5.2-3 to -5 Sec. 5.2.1.2	Yes	
Appendix B (g) (8) (H)	One year of meteorological data collected from either the Federal Aviation Administration Class 1 station nearest to the project or from the project site, or meteorological data approved by the California Air Resources Board or the local air pollution control district.	Page 5.2-22 Sec. 5.2.4.3.2	No	Provide the meteorological data discussed in the AFC and correspondence from CARB or the District that the use of this data is appropriate.
Appendix B (g) (8) (H) (i)	If the data is collected from the project site, the applicant shall demonstrate compliance with the requirements of the U.S. Environmental Protection Agency document entitled "On-Site Meteorological Program Guidance for Regulatory Modeling Applications" (EPA - 450/4-87-013 (August 1995), which is incorporated by reference in its entirety.)		N/A	
Appendix B (g) (8) (H) (ii)	The data shall include quarterly wind tables and wind roses, ambient temperatures, relative humidity, stability and mixing heights, upper atmospheric air data, and an analysis of whether this data is representative of conditions at the project site.	Appendix M-1	No	Provide quarterly wind roses and wind data.

Adequacy Issue: Adequate _____ Inadequate **X**

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Technical Staff: Joseph M. Loyer

Project Manager: James Bartridge

Docket: 01AFC-23

Technical Senior: Keith Golden

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (8) (I)	An evaluation of the project's direct and cumulative air quality impacts, consisting of the following:			
Appendix B (g) (8) (I) (i)	A screening level air quality modeling analysis, or a more detailed modeling analysis if so desired by the applicant, of the direct inert pollutant impacts of project construction activities on ambient air quality conditions, including fugitive dust (PM ₁₀) emissions from grading, excavation and site disturbance, as well as the combustion emissions [nitrogen oxides (NO _x), sulfur dioxide (SO ₂), carbon monoxide (CO), and particulate matter less than 10 microns in diameter (PM ₁₀)] from construction-related equipment;	Appendix M-4 and –5 Modeling CD	Yes	
Appendix B (g) (8) (I) (ii)	A screening level air quality modeling analysis, or a more detailed modeling analysis if so desired by the applicant, of the direct inert criteria pollutant (NO _x , SO ₂ , CO and PM ₁₀) impacts on ambient air quality conditions of the project during typical (normal) operation, and during shutdown and startup modes of operation. Identify and include in the modeling of each operating mode the estimated maximum emissions rates and the assumed meteorological conditions; and	Appendix M-4 and –5 Modeling CD	Yes	
Appendix B (g) (8) (I) (iii)	A protocol for a cumulative air quality modeling impacts analysis of the project's typical operating mode in combination with other stationary emissions sources within a six mile radius which have received construction permits but are not yet operational, or are in the permitting process. The cumulative inert pollutant impact analysis should assess whether estimated emissions concentrations will cause or contribute to a violation of any ambient air quality standard.	Page 5.2-31 Sec. 5.2.4.3.7	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12/27/01

Technical Area: **Air Quality**

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Project Manager: James Bartridge

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Appendix B (g) (8) (J)	If an emission offset strategy is proposed to mitigate the project's impacts under subsection (g)(1), provide the following information:			
Appendix B (g) (8) (J) (i)	The quantity of offsets needed;	Page 5.2-33 Table 5.2-27	Yes	
Appendix B (g) (8) (J) (ii)	Potential offset sources, including location, and quantity of emission reductions; and	Page 5.2-33 Sec. 5.2.5.4	Yes	
Appendix B (g) (8) (J) (iii)	Method of emission reduction.	Page 5.2-33 Sec. 5.2.5.4	Yes	
Appendix B (g) (8) (K)	A topographic map containing contour and elevation data, at a scale of 1:24,000, showing the area within 6 miles of the power plant site.	Map provided	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Page 7-44 to -47 Table 7.1-1	No	Table needs to reference the AFC page numbers.
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Page 7-44 to -47 Table 7.1-1	Yes	

Adequacy Issue: Adequate _____ Inadequate **X** **DATA ADEQUACY WORKSHEET** Revision No. 0 Date 12/27/01

Technical Area: **Air Quality** Project: Los Banos Voltage Support Technical Staff: Joseph M. Loyer

Project Manager: James Bartridge Docket: 01AFC-23 Technical Senior: Keith Golden

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Page 7-44 to –47 Table 7.1-1	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Page 5.2-37 Table 5.2-29	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Page 5.2-38 Table 5.2-30	Yes	

Adequacy Issue: Adequate _____ Inadequate **X** _____

DATA ADEQUACY WORKSHEET
(Six Month Expedited Process)

Revision No. 0 Date 12/27/01

Technical Area: **Air Quality**

Project: Los Banos Voltage Support

Technical Staff: Joseph M. Loyer

Project Manager: James Bartridge

Docket: 01-AFC-23

Technical Senior: Keith Golden

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Page 7-13 to 16 Sec. 7.5.2	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Page 7-44 to 47 Table 7.1-1 District completeness letter, dated Dec. 27, 2001	No	The applicant needs to address the incomplete items in the District's Dec. 27, 2001 completeness determination letter.
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and	No LORS expected to changes - NA	N/A	
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Page 7-44 to 47 Table 7.1-1	Yes	
§2022(b)(2)	Substantial evidence that the project as proposed in the application will not cause a significant adverse impact on the environment, including the following:			

Adequacy Issue: Adequate _____ Inadequate **X** _____

DATA ADEQUACY WORKSHEET
(Six Month Expedited Process)

Revision No. 0 Date 12/27/01

Technical Area: **Air Quality**

Project: Los Banos Voltage Support

Technical Staff: Joseph M. Loyer

Project Manager: James Bartridge

Docket: 01-AFC-23

Technical Senior: Keith Golden

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(2)(A) (Air Quality)	a detailed modeling analysis assessing whether the cumulative impacts of all inert criteria pollutants (NOx, SO2, CO, and PM10) from the project's typical operating mode in combination with all stationary emissions sources within a six-mile radius of the proposed site that have received construction permits, but are not yet operational, and all stationary emissions sources that are currently undergoing air district permit application review will cause or contribute to a violation of any ambient air quality standard;	Page 5.2-31 Sec. 5.2.4.3.7	Yes	
§2022(b)(2)(B) (Air Quality)	A description of the project's planned initial commissioning phase, which is the phase between the first firing of emissions sources and the consistent production of electricity for sale to the market, including the types and durations of equipment tests, criteria pollutant emissions, and monitoring techniques to be used during such tests, and air dispersion modeling analyses of the impacts of those emissions on state and federal ambient air quality standards for NO2, SO2, CO, and PM10;		No	Provide a discussion of the initial commissioning phase of operation.
§2022(b)(2)(C) (Air Quality)	A detailed description of the mitigation, which an applicant shall propose, for all impacts from criteria pollutants that currently exceed state or federal ambient air quality standards, but are not subject to offset requirements under the district's new source review rule;	Page 5.2-32 to 33 Sec. 5.2.5.3 to .5	No	The mitigation needs to include a method of verification of emission reductions achieved and an alternative backup mitigation plan.
§2022(b)(2)(D) (Air Quality, Public Health)	A modeling analysis that identifies the extent of potential public exposure to toxic substances, as identified in subsection (g)(9)(A) of Appendix B, resulting from normal facility operation;	Page 5.16-1 to 14 Sec. 5.16	Yes	

Adequacy Issue: Adequate **X** Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12/06/01

Technical Area: **Alternatives**

Project: Los Banos Voltage Support Facility

Technical Staff: Jim Bartridge

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Paul Richins

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (1) (D)	A description of how the site and related facilities were selected and the consideration given to engineering constraints, site geology, environmental impacts, water, waste and fuel constraints, electric transmission constraints, and any other factors considered by the applicant.	Page 3.11-1 through 3.11-6 Section 3.11 through 3.11.5	Yes	
Appendix B (f) (1)	A discussion of the range of reasonable alternatives to the project, or to the location of the project, including the no project alternative, which would feasibly attain most of the basic objectives of the project but would avoid or substantially lessen any of the significant effects of the project, and an evaluation of the comparative merits of the alternatives. In accordance with Public Resources Code section 25540.6(b), a discussion of the applicant's site selection criteria, any alternative sites considered for the project, and the reasons why the applicant chose the proposed site.	Page 3.11-1 through 3.11-6 Section 3.11 through 3.11.5	Yes	
Appendix B (f) (2)	An evaluation of the comparative engineering, economic, and environmental merits of the alternatives discussed in subsection (f)(1).	Page 3.11-4 Section 3.11.2.3 through 3.11.5	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐

DATA ADEQUACY WORKSHEET (Six Month Expedited Process)

Revision No. 0 Date 12/06/01

Technical Area: **Alternatives**

Project: Los Banos Voltage Support Facility

Technical Staff: Jim Bartridge

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Paul Richins

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Page 7-1 through 7-57 Table 7.1-1	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Page 7-1 through 7-57 Table 7.1-1	Yes	
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and	No LORS expected to changes.	N/A	
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Throughout entire AFC. Included within individual sections.	Yes	

Adequacy Issue: Adequate _____ Inadequate **X** **DATA ADEQUACY WORKSHEET**

Revision No. 0 Date December 17, 2001

Technical Area: **Biological Resources**

Project: Los Banos Voltage Support Facility

Technical Staff: Sandy Etchell & Rick York

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Existing site conditions: Section 5.6.1, Pages 5.6-1 to 5.6-5 Impacts: Sections 5.6.3 & 5.6.4, Pages 5.6-9 to 5.6-14 Mitigation measures: Section 5.6.6, Pages 5.6-14 to 5.6-21, Section 5.6.11, Pages 5.6-24 to 5.6-36 Monitoring plans: Section 5.6.3.3.1, pg. 5.6-12	Yes Yes	
Appendix B (g) (13) (A)	A regional overview and discussion of biological resources, with particular attention to sensitive biological resources near the project, and a map at a scale of 1:100,000 (or some other suitable scale) showing their location in relation to the project.	Regional overview: Section 5.6.1, Pages. 5.6-1 to 5.6-5 1:100,000 scale map with sensitive species locations: Figure 5.6-3,	Yes Yes	
Appendix B (g) (13) (B)	A discussion and detailed maps at a scale of 1:6,000, of the biological resources at the site of the proposed project and related facilities, and in areas adjacent to them, out to a mile from the site and 1000 feet from the outer edge of linear facility corridors. Include a list of the species actually observed and those with a potential to occur. The discussion and maps shall address the distribution of community types, denning or nesting sites, population concentrations, migration corridors, breeding habitats, and the presence of sensitive biological resources.	Discussion and detailed maps of biological resources: Appendix J (Figure 2) and Section 5.6-4a –4d List of species seen and expected to occur in project area: Appendix J, pgs. 62 to 66	No Yes	Figures and text appear to disagree. Potential kit fox dens and burrowing owl burrows were identified by field biologists during field surveys, however none of the sitings appear on AFC Figures 4a – 4d. Text seems to indicate that sitings might have been close to the proposed project site, and therefore the locations should be indicated on figure(s). If figures are correct, please explain why sensitive species locations are not shown on figures.

Adequacy Issue: Adequate _____ Inadequate **X** **DATA ADEQUACY WORKSHEET**

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SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (13) (C)	A description of all studies and surveys used to provide biological information about the project site, including seasonal surveys and copies of the California Department of Fish and Game's Natural Diversity Data Base Survey Forms, "California Native Species Field Survey Forms", and "California Natural Community Field Survey Forms", completed by the applicant. Include the dates and duration of the studies, methods used to complete the studies, and the names and qualifications of individuals conducting the studies.	Description of studies and surveys: Appendix J, Pages 12, 13 CNDDDB field surveys forms: Names & qualifications of individuals who conducted field studies: Appendix J, Pages 67 to 79	Yes No Yes	Wildlife and rare plant field surveys were completed in October 2001, which is not the correct time of year (spring/summer) to properly identify most plants. In addition, some wildlife species, known to occur in the area, are not present in the fall. Copies of CNDDDB field survey forms need to be provided for all sensitive species (e.g. burrowing owl sitings) locations found during field surveys.
Appendix B (g) (13) (D)	A discussion of all permanent and temporary impacts to biological resources from site preparation, construction activities, and plant operation. Discussion of impacts must consider impacts from cooling tower drift, and from the use and discharge of water during construction and operation. For facilities which use once-through cooling or take or discharge water directly from or to natural sources, discuss impacts resulting from entrainment, impingement, thermal discharge, effluent chemicals, type of pump (if applicable), temperature, volume and rate of flow at intake and discharge location, and plume configuration in receiving water.	Impacts: Sections 5.6.3 and 5.6-4, Pages 5.6-9 to 5.6-14 Cooling tower drift analysis: The project will not have cooling towers.	Yes N/A	
Appendix B (g) (13) (E)	A discussion of the following:			
Appendix B (g) (13) (E) (i)	All measures proposed to avoid and/or reduce any adverse impacts;	Mitigation measures: Section 5.6.6, Pages 5.6-14 to 5.6-21 and Section 5.6.11, Pages 5.6-24 to 5.6-36	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 17, 2001

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Technical Staff: Sandy Etchell & Rick York

Project Manager: Jim Bartridge

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Appendix B (g) (13) (E) (ii)	All measures proposed to mitigate any adverse impacts, including any proposals for off-site mitigation; and	Off-site mitigation: Section 5.6.7, Pages 5.6-21, 22	Yes	
Appendix B (g) (13) (E) (iii)	Any educational programs proposed to enhance employee awareness in order to protect biological resources.	Worker education programs: Section 5.6-11, Page 5.6-36	Yes	
Appendix B (g) (13) (F)	A discussion of compliance and monitoring programs proposed to ensure the effectiveness of mitigation measures incorporated into the project.	Mitigation compliance monitoring: Section 5.6.6, Pages. 5.6-14 to 5.6-21 and Section 5.6.11, Pages 5.6-24 to 5.6-36	Yes	
Appendix B (g) (13) (G)	A discussion of native fish and wildlife species of commercial and/or recreational value that could be impacted by the project.	Native fish and wildlife of commercial and/or recreational value: Section 5.6.1.3, pg. 5.6-5	Yes	
Appendix B (g) (13) (H)	For purposes of this section, sensitive biological resources are one of the following:			
Appendix B (g) (13) (H) (i)	Species listed under state or federal Endangered Species Acts;	Listed species: Section 5.6.1.2.1, Tables 5.6-2 & 5.6-3	Yes	
Appendix B (g) (13) (H) (ii)	Resources defined in sections 1702 (q) and (v) of Title 20 of the California Code of Regulations; and	Listed species: Section 5.6.1.2.1, Tables 5.6-2 & 5.6-3	Yes	
Appendix B (g) (13) (H) (iii)	Species or habitats identified by legislative acts as requiring protection.	Listed species and habitats: Section 5.6.1.2.1, Tables 5.6-2 & 5.6-3	Yes	

Adequacy Issue: Adequate _____ Inadequate **X** **DATA ADEQUACY WORKSHEET**

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Project: Los Banos Voltage Support Facility

Technical Staff: Sandy Etchell & Rick York

Project Manager: Jim Bartridge

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SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	LORS table: Section 5.6.8, Pages 5.6-22, 23	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Agency permits: Section 5.6.9, Pages 5.6-23, 24	No	Table 5.6-5 does not identify the U. S. Fish and Wildlife Service. The project owner will likely need to acquire a federal Section 7 Biological Opinion (BO) or develop a federal Section 10 Habitat Conservation Plan to be in compliance with the federal Endangered Species Act.
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	LORS conformity discussion: Section 5.6.8.3, Page 5.6-23	No	<p>Discussion is incomplete. Staff expects that the project applicant will need to acquire incidental take permits from the USFWS (Biological Opinion) and the California Department of Fish and Game since state and federally listed species and their habitats are known to occur in the project vicinity. Please provide a discussion of both permits and whether these permits are necessary for the proposed project.</p> <p>Section 5.6.8.2 (State Authorities and Administering Agencies) needs editing. Reference to Section 2090 needs to be deleted; this section was repealed in the Fish and Game Code on January 1st, 1999.</p> <p>Reference to Fish and Game Code Section 2081 needs to be added since the project owner may need to acquire an Incidental Take Permit from CDFG.</p>

Adequacy Issue:

Adequate

Inadequate

X

DATA ADEQUACY WORKSHEET

Revision No.

0

Date

December 17, 2001

Technical Area:

Biological Resources

Project:

Los Banos Voltage Support Facility

Technical Staff:

Sandy Etchell & Rick York

Project Manager:

Jim Bartridge

Docket:

01-AFC-23

Technical Senior:

Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Agency contacts: Section 5.6.9, Table 5.6-5	No	Table is incomplete. A USFWS contact (Peter Cross?) needs to be added.
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Permit schedule: Section 5.6.10, Page 5.6-24	No	Table 5.6-6 is incomplete. A federal Section 7 Biological Opinion (Incidental Take Permit) or a Section 10 Habitat Conservation Plan is likely to be required by the USFWS. Applicant should expect that the Biological Opinion would be provided no sooner than 135 days after the applicant's Biological Assessment (Appendix J) is deemed data adequate by the USFWS. Development and approval of a Habitat Conservation Plan can take much longer.

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET (Six Month Expedited Process)

Revision No. 0 Date December 17, 2001

Technical Area: **Biological Resources**

Project: Los Banos Voltage Support Facility

Technical Staff: Sandy Etchell & Rick York

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Section 7.5.6, Pages. 7-21 to 7-24	No	Discussion is incomplete. Section needs to include a discussion of the state Incidental Take Permit (Fish and Game Code Section 2081) that will likely be needed.
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Section 5.6, Pages 5.6-1 to 5.6-36 and Appendix J	No	To qualify for a 6-month expedited process, the applicant must provide a copy of a Biological Assessment (Appendix J) that has been deemed Data Adequate by the USFWS. According to the applicant (Section 7.5.6.1, pg. 7-21), a federal nexus may not exist for this project, so a Habitat Conservation Plan (HCP) may need to be developed as part of a federal Section 10 process. Recently, USFWS (Peter Cross) indicated that approval of a Habitat Conservation Plan (HCP) often takes a year or more since the USFWS has many HCPs currently being reviewed. As a result, staff doubts an HCP for this particular project would be approved anytime soon.
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and	Section 5.6.8.3, Page 5.6-23	Yes	No Biological Resources LORS are expected to change in the near future.

Adequacy Issue:

Adequate

Inadequate

X

DATA ADEQUACY WORKSHEET

(Six Month Expedited Process)

Revision No.

0

Date

December 17, 2001

Technical Area:

Biological Resources

Project:

Los Banos Voltage Support Facility

Technical Staff:

Sandy Etchell & Rick York

Project Manager:

Jim Bartridge

Docket:

01-AFC-23

Technical Senior:

Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Section 5.6.8, Pages 5.6-22, 23	No	Table is incomplete and inaccurate. Reference to Fish and Game Code Section 2090 needs to be deleted since this section was repealed January 1 st , 1999. Fish and Game Code Section 2081 needs to be mentioned since the project applicant will most likely need to acquire a CDFG Incidental Take Permit.
§2022(b)(2)	Substantial evidence that the project as proposed in the application will not cause a significant adverse impact on the environment, including the following:			
§2022(b)(2)(F) (Biology)	A demonstration, based on appropriate data including, but not limited to, scientific surveys taken at the appropriate time of year, that the project will have no significant impact on wetlands, plant or animal species that are endangered, threatened, or of concern under state or federal law, or the areas listed in Public Resources Code section 25527;	Section 5.6, pgs. 5.6-1 to 5.6-36 and Appendix J	No	All field surveys appear to have been completed in late October 2001. Fall surveys are unlikely to provide complete information since some wildlife species are not present and many plant species are unidentifiable. Rare plant and wildlife surveys need to be completed during the appropriate time(s) of year.

Adequacy Issue: Adequate _____ Inadequate **X**
 Technical Area: **Cultural Resources**
 Project Manager: Jim Bartridge

DATA ADEQUACY WORKSHEET

Project: Los Banos Voltage Support Facility
 Docket: 01-AFC-23

Revision No. 0 Date 12/18/01

Technical Staff: Dorothy Torres
 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	AFC Vol I, Page 3.3-1 Con App. Page 1-5 Con App Page 8	Yes	
Appendix B (g) (2) (A)	A brief summary of the ethnology, prehistory, and history of the region in which the project site and related facilities are located and maps at a scale of 1:24,000, indicating areas of ethnographic occupation. The region may vary depending on the extent of the territory occupied or used by prehistoric cultures indigenous to the area in which the project is located.	AFC Page 5.7-2 to 5.7-5 Fig. 5.7-2	Yes	
Appendix B (g) (2) (B)	A description of all literature searches and field surveys used to provide information about known cultural resources in the project vicinity. If survey records of the area potentially physically affected by the project are not available, and the area has the potential for containing significant cultural resources, the applicant shall submit a new or revised survey for any portion of the area lacking comprehensive survey data. A discussion of the dates of the surveys, methods used in completing the surveys, and the identification and qualification of the individuals conducting the surveys shall be included.	Con App. Page 9 top.12 AFC Vol I, Page 5.7-4 to 5.7-5	No	The literature search information is not complete. Please provide information from the Native American Heritage Commission regarding the presence of sacred sites in the project area. Provide the results of a cultural resources survey (include both archaeological and built environment resources) of the proposed parking lot and laydown area.

Adequacy Issue: Adequate _____ Inadequate **X**
 Technical Area: **Cultural Resources**
 Project Manager: **Jim Bartridge**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12/18/01
 Technical Staff: Dorothy Torres
 Technical Senior: Dale Edwards

Project: Los Banos Voltage Support Facility
 Docket: 01-AFC-23

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (2) (C)	A discussion of the sensitivity of the project area described in subsection (g)(2)(A) and the presence and significance of any known archeological sites and other cultural resources that may be affected by the project. Information on the specific location of archeological resources shall be included in a separate appendix to the application and submitted to the Commission under a request for confidentiality pursuant to Title 20, California Code of Regulations, § 2501 et seq.	AFC Vol I, Page 5.7-7 Con App. Page 5. Con App submitted 11/19/01	Yes	
Appendix B (g) (2) (D)	A summary of contacts and communications with, and responses from, Native American representatives who may have an interest in heritage lands and/or resources potentially affected by the proposed project.	AFC Vol 1, I Page 5.7-6	No	Provide a summary of contact, communication with and responses from Native Americans. (Copies are acceptable).
Appendix B (g) (2) (E)	In the discussion on mitigation and monitoring prepared pursuant to subsection (g)(1), a discussion of any educational programs proposed to enhance awareness of potential impacts to archeological resources by employees and contractors, measures proposed for mitigation of impacts to known cultural resources, and a set of contingency measures for mitigation of potential impacts to previously unknown cultural resources.	Con App. Page 12 AFC Vol I, Page 5.7-8 AFC Vol I, Pages 5.7-7 to 5.7-8,	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	AFC Vol I, Page 7-51 to 7-52 AFC Vol I, Page 7.26	No	Provide local LORS that pertain to cultural resources.

Adequacy Issue:	Adequate _____ Inadequate <u>X</u>	DATA ADEQUACY WORKSHEET	Revision No. <u>0</u>	Date <u>12/18/01</u>
Technical Area:	<u>Cultural Resources</u>	Project: <u>Los Banos Voltage Support Facility</u>	Technical Staff: <u>Dorothy Torres</u>	
Project Manager:	<u>Jim Bartridge</u>	Docket: <u>01-AFC-23</u>	Technical Senior: <u>Dale Edwards</u>	

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	AFC Vol I, Page 5.7-10 AFC Vol I, Page 5.9-11	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	AFC Vol I, Page 5.7-9	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	AFC Vol I, Page 5.7-10 AFC Vol I, Page 5.9-11	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	AFC Vol I, Page 5.7-10	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET
(Six Month Expedited Process)

Revision No. 0 Date 12/18/01

Technical Area: **Cultural Resources**

Project: Los Banos Voltage Support Facility

Technical Staff: Dorothy Torres

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	AFC Vol I, Page 5.7-10	No	Provide local LORS that pertain to cultural resources.
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	AFC Vol 1, Page 7-26	No	Provide information that project will comply with local LORS that pertain to cultural resources.
§2022(b)(1)(C) 7(All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and		N/A	
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	AFC Vol I, Page 5.7-10	Yes	

Adequacy Issue: Adequate **X** Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 3, 2001

Technical Area: **Efficiency**

Project: Los Banos Voltage Support Facility

Technical Staff: Steve Baker

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	§§ 1.1, 1.4.2, 1.4.6, 2.2, 3.1, 3.2, 3.3.1, 3.4.6, 3.7, 3.9.2, 3.9.2.1, 3.9.4, 3.11.1, 3.11.3.2, 4.3.1, 4.3.3, 4.3.5; Appendix B	Yes	
Appendix B (i) (4) (A)	Heat and mass balance diagrams for design conditions for each mode of operation.	Appendix B	Yes	
Appendix B (i) (4) (B)	Annual fuel consumption in BTUs for each mode of operation.	§§ 3.11.1, 4.3.3; Appendix B	Yes	
Appendix B (i) (4) (C)	Annual net electrical energy produced in MWh for each mode of operation.	§§ 3.11.1, 4.3.3; Appendix B	Yes	
Appendix B (i) (4) (D)	Number of hours the plant will be operated in each mode of operation in each year.	§§ 3.11.1, 4.3.3	Yes	
Appendix B (i) (4) (E)	If the project will be a cogeneration facility, calculations showing compliance with applicable efficiency and operating standards.		N/A	
Appendix B (i) (4) (F)	A discussion of alternative generating technologies available for the project, including the projected efficiency of each, and an explanation why the chosen equipment was selected over these alternatives.	§ 3.11.3.2	Yes	

Adequacy Issue: Adequate **X** Inadequate _____

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 3, 2001

Technical Area: **Efficiency**

Project: Los Banos Voltage Support Facility

Technical Staff: Steve Baker

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 7.1-1	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.		N/A	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).		N/A	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.		N/A	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.		N/A	

Adequacy Issue: Adequate ☒ Inadequate ☐

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 03, 2001

Technical Area: **Facility Design**

Project: Los Banos Voltage Support Facility

Technical Staff: Shahab Khoshmashrab

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (14) (B) (iii)	Water inundation zones, such as the 100-year flood plain and tsunami run-up zones.	See Water Resources	N/A	
Appendix B (g) (14) (D) (i)	Precipitation and storm runoff patterns; and	See Water Resources	N/A	
Appendix B (g) (14) (D) (ii)	Drainage facilities and design criteria.	See Water Resources	N/A	
Appendix B (g) (14) (E) (ii)	The effects of construction activities and plant operation on water quality; and	See Water Resources	N/A	
Appendix B (g) (14) (iii)	The effects of the project on the 100-year flood plain or other water inundation zones.	See Water Resources	N/A	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 7.1-1 § 7.0 Appendices C, D, E, F, G	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 7.1-1	Yes	

Adequacy Issue: Adequate **X** Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 03, 2001

Technical Area: **Facility Design**

Project: Los Banos Voltage Support Facility

Technical Staff: Shahab Khoshmashrab

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Tables 5.3-6, 7.1-1	Yes	
Appendix B (h) (3)	The name, title, telephone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.3-7	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Table 5.3-8	Yes	
Appendix B (i) (1) (A)	A description of the site conditions and investigations or studies conducted to determine the site conditions used as the basis for developing design criteria. The descriptions shall include, but not be limited to, seismic and other geologic hazards, adverse conditions that could affect the project's foundation, adverse meteorological and climatic conditions, and flooding hazards, if applicable.	§§ 1.6.2, 1.6.3, 3.3, 4.1.1.1, 4.1.1.2, 5.3 Appendices C3, D3	Yes	
Appendix B (i) (1) (B)	A discussion of any measures proposed to improve adverse site conditions.	§§ 3.2.2.2, 3.3.2.3, 3.4.7.2, 3.5.5, 3.5.7 Appendices C3, D3	Yes	
Appendix B (i) (1) (C)	A description of the proposed foundation types, design criteria (including derivation), analytical techniques, assumptions, loading conditions, and loading combinations to be used in the design of facility structures and major mechanical and electrical equipment.	§§ 3.5.1, 3.5.2, 3.6.3.2 Appendices C3, D3	Yes	
Appendix B (i) (1) (D)	For each of the following facilities and/or systems, provide a description including drawings, dimensions, surface-area requirements, typical operating data, and performance and design criteria for protection from impacts due to adverse site conditions:	Figures 3.4-1, 3.4-2, 3.4-3, 3.4-4A, 3.4-4B	Yes	

Adequacy Issue: Adequate **X** Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 03, 2001

Technical Area: **Facility Design**

Project: Los Banos Voltage Support Facility

Technical Staff: Shahab Khoshmashrab

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (1) (D) (i)	The power generation system;	§§ 1.1, 1.4.2, 1.4.6, 3.2, 3.4.1, 3.4.3, 3.4.4.1	Yes	
Appendix B (i) (1) (D) (ii)	The heat dissipation system;	§§ 3.1, 3.4.7	Yes	
Appendix B (i) (1) (D) (iii)	The cooling water supply system, and, where applicable, pre-plant treatment procedures;	§§ 1.4.7, 1.6.3, 3.1, 3.3.3.2, 5.5	Yes	
Appendix B (i) (1) (D) (iv)	The atmospheric emission control system;	§§ 1.2.1.2, 1.4.2, 3.1, 3.4.1, 3.4.4.2, 3.4.8, 3.4.9, 5.2	Yes	
Appendix B (i) (1) (D) (v)	The waste disposal system and on-site disposal sites;	§§ 1.2.1.2, 1.6.9, 3.1, 3.4.7, 3.4.10, 3.5.6, 5.14	Yes	
Appendix B (i) (1) (D) (vii)	The geothermal resource conveyance and re-injection lines (if applicable);		N/A	
Appendix B (i) (1) (D) (viii)	Switchyards/transformer systems; and	§§ 1.1, 1.4.2, 3.1, 3.4.1, 3.4.5, 3.6	Yes	
Appendix B (i) (1) (D) (ix)	Other significant facilities, structures, or system components proposed by the applicant.		N/A	

Adequacy Issue: Adequate ☒ Inadequate ☐

DATA ADEQUACY WORKSHEET (Six Month Expedited Process)

Revision No. 0 Date December 03, 2001

Technical Area: **Facility Design**

Project: Los Banos Voltage Support Facility

Technical Staff: Shahab Khoshmashrab

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	§ 7.0 Tables 5.3-6, 7.1-1 Appendices C, D, E, F, G	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	§ 3.1.1 Appendices C, D, E, F, G	Yes	
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and	None (no known changes in Facility Design LORS are anticipated).	Yes	
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Table 7.1-1	Yes	

Adequacy Issue: Adequate _____ Inadequate **X** **DATA ADEQUACY WORKSHEET**

Revision No. 0 Date Dec. 13, 2001

Technical Area: **Geological Hazards**

Project: Los Banos Voltage Support Facility

Technical Staff: Janine W. Band, PhD RG

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Pillings/Alexander

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 3.3 Page 3.3-1 Section 5.3.1 Page 5.3-2 Section 5.3.2 Page 5.3-15 to 5.3-16 Section 5.3.3 Page 5.3-16 Section 5.3.4 Pages 5.3-16 to 5.3-17	No	Please include a description of monitoring plans and an assessment of the effectiveness of proposed mitigation measures.
Appendix B (g) (17) (A)	A summary of the geology, seismicity, and geologic resources of the project site and related facilities;	Section 5.3.1 Pages 5.3-2 to 5.3-15	Yes	
Appendix B (g) (17) (B)	A map at a scale of 1:24,000 and description of all recognized stratigraphic units, geologic structures, and geomorphic features within 2 miles of the project site. Include an analysis of the likelihood of ground rupture, seismic shaking, mass wasting and slope stability, liquefaction, subsidence, and expansion or collapse of soil structures.	Section 5.3.1 Pages 5.3-2 to 5.3-14 Figures 5.3-2, 5.3-4, 5.3-5, 5.3-7	Yes	
Appendix B (g) (17) (C)	A map and description of geologic resources of recreational, commercial, or scientific value which may be affected by the project. Include a discussion of the techniques used to identify and evaluate these resources.	Section 5.3.1.8 Pages 5.3-14 to 5.3-15 Figure 5.3-4	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Section 5.3.8 Page 5.3-18 Section 5.3.10 Page 5.3-19 Table 5.3-6 Table 5.3-8	No	Please amend Table 5.3-6 to include a reference to pages in the AFC where conformance is discussed. Please add the subsections for Section 5.3.7 that are listed in Table 5.3-6.

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date Dec. 13, 2001

Technical Area: **Geological Hazards**

Project: Los Banos Voltage Support Facility

Technical Staff: Janine W. Band, PhD RG

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Pillings/Alexander

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Section 5.3.9 Pages 5.3-18 to 5.3-19 Table 5.3-7	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 5.3.8 Page 5.3-18	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Section 5.3.9 Page 5.3-19 Table 5.3-7	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐

DATA ADEQUACY WORKSHEET (Six Month Expedited Process)

Revision No. 0 Date Dec, 13, 2001

Technical Area: **Geological Hazards**

Project: Los Banos Voltage Support Facility

Technical Staff: Janine W. Band

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: PatPilling/Lynn Alexander

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Section 5.3.8 Page 5.3-18 Section 7.5.8.5 Page 7-26	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Section 5.3.8 Page 5.3-18	Yes	
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and		N/A	
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Section 5.3.10 Page 5.3-19	Yes	

Adequacy Issue: Adequate **X** Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12/18/01

Technical Area: **Hazardous Materials**

Project: Los Banos Voltage Support Facility

Technical Staff: Rick Tyler

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Rick Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 5.15	Yes	
Appendix B (g) (10) (A)	A list of all materials used or stored on-site which are hazardous or acutely hazardous, as defined in Title 22, California Code of Regulations, § 66261.20 et seq., and a discussion of the toxicity of each material.	Table 5.15-1 and 5.15-2	Yes	
Appendix B (g) (10) (B)	A map at a scale of 1:24,000 depicting the location of schools, hospitals, day-care facilities, emergency response facilities and long-term health care facilities, within the area potentially affected by any release of hazardous materials.	Figure 5.16-2	yes	
Appendix B (g) (10) (C)	A discussion of the storage and handling system for each hazardous material used or stored at the site.	Section 5.15.3	Yes	
Appendix B (g) (10) (D)	The protocol that will be used in modeling potential consequences of accidental releases that could result in off site impacts. Identify the model(s) to be used, a description of all input assumptions, including meteorological conditions. The results of the modeling analysis can be submitted after the AFC is complete.	Section 8.15 No materials that require modeling	Yes	
Appendix B (g) (10) (E)	A discussion of whether a risk management plan (Health and Safety Code § 25531 et seq.) will be required, and if so, the requirements that will likely be incorporated into the plan.	Table 5.15-3	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12/18/01

Technical Area: **Hazardous Materials**

Project: Los Banos Voltage Support Facility

Technical Staff: Rick Tyler

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Rick Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (10) (F)	A discussion of measures proposed to reduce the risk of any release of hazardous materials.	Section 8.15	Yes	
Appendix B (g) (10) (G)	A discussion of the fire and explosion risks associated with the project.	Section 5.15.3	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 5.15-3	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 5.15-4	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Table 5.15-3	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.15-4	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.		N/A	No permits are required

Adequacy Issue: Adequate ☒ Inadequate ☐

DATA ADEQUACY WORKSHEET (Six Month Expedited Process)

Revision No. 0 Date 12/18/01

Technical Area: Hazardous Materials

Project: Los Banos Voltage Support Facility

Technical Staff: Rick Tyler

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Rick Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Table 5.15-3	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Section 5.15	Yes	
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and		N/A	
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;		N/A	
§2022(b)(2)	Substantial evidence that the project as proposed in the application will not cause a significant adverse impact on the environment, including the following:			

Adequacy Issue: Adequate ☒ Inadequate ☐

DATA ADEQUACY WORKSHEET (Six Month Expedited Process)

Revision No. 0 Date 12/18/01

Technical Area: Hazardous Materials

Project: Los Banos Voltage Support Facility

Technical Staff: Rick Tyler

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Rick Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(2)(G) (Hazardous Material)	With respect to the handling of hazardous materials, a demonstration that: i) the project will not use or store any regulated substance defined in Section 25532(g) of the California Health and Safety Code or ii) the project is eligible for Program 1 status pursuant to Section 68.10 of Part 68 of Title 40 of the Code of Federal Regulations or can demonstrate that no worst case accidental release would result in a plausibility (risk greater than 1 in 1,000,000) of an impact above the Emergency Response Planning Guideline, Level 2 (ERPG 2) at the nearest public receptor.	Section 5.15	Yes	
§2022(b)(2)(H) (Hazardous Material)	If the project will store or use a regulated substance defined in Section 25532(g) of the Health and Safety Code, a demonstration either that the boundary of the powerplant site will not be within 1000 feet of any residential area, school, general acute care hospital, long-term health care facility, or child day care facility as such terms are defined in section 25534.1 of the Health and Safety Code or that the project will pose no plausible potential for exposure at such facilities from an accidental release of the regulated substance; and	Section 5.15	Yes	
§2022(b)(2)(I) (Hazardous Material)	A demonstration that the proposed facility will not require storage of gaseous flammable or explosive materials in quantities greater than 25000 standard cubic feet;	Table 8.15	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date November 28, 2001

Technical Area: **Land Use**

Project: Los Banos Voltage Support Facility

Technical Staff: Amanda Stennick

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 5.9	Yes	
Appendix B (g) (3) (A)	A discussion of existing land uses and current zoning at the site, land uses and land use patterns within one mile of the proposed site and within one-quarter mile of any project-related linear facilities. Include:	Sections 5.9.1 through 5.9.3.3 Table 5.9-2	Yes	
Appendix B (g) (3) (A) (i)	An identification of residential, commercial, industrial, recreational, scenic, agricultural, natural resource protection, natural resource extraction, educational, religious, cultural, and historic areas, and any other area of unique land uses;	Sections 5.4.1.2 through 5.4.1.2.2 Sections 5.9-1 through 5.9.1.2.1 Figure 5.9-1	Yes	
Appendix B (g) (3) (A) (ii)	A discussion of any trends in recent zoning changes and potential future land use development;	Section 5.9.1.2	Yes	
Appendix B (g) (3) (A) (iii)	Identification of all discretionary reviews by public agencies initiated or completed within 18 months prior to filing the application for those changes or developments identified in subsection (g)(3)(A)(ii); and	Section 5.9.1.2	Yes	

Adequacy Issue: Adequate _____ Inadequate **X** **DATA ADEQUACY WORKSHEET**

Revision No. 0 Date November 28, 2001

Technical Area: **Land Use**

Project: Los Banos Voltage Support Facility

Technical Staff: Amanda Stennick

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (3) (A) iv)	Legible maps of the areas identified in subsection (g)(3)(A) potentially affected by the project, on which existing land uses, jurisdictional boundaries, general plan designations, specific plan designations, and zoning have been clearly delineated.	Figures 5.9-1, -2, and -3	No	Section 5.9.1.2 identifies the Villages of Laguna San Luis Community Specific Plan as being near the project site but the AFC does not contain a map that delineates the boundaries of the plan. Please provide a legible map of the area where the boundaries of the Villages of Laguna San Luis Community Specific Plan have been clearly delineated. Also, on the above referenced map, please delineate the boundaries of the proposed project parcel, state the size of the parcel, and provide the Assessor's Parcel Number (APN).
Appendix B (g) (3) (B)	A discussion of the compatibility of the proposed facilities with present and expected land uses, and conformity with any long-range land use plans adopted by any federal, state, regional, or local planning agency. The discussion shall identify the need, if any, for variances or any measures that would be necessary to make the proposal conform with permitted land uses	Sections 5.9.1.2 through 5.9.1.3	No	Section 5.9.1.2 identifies the Villages of Laguna San Luis Community Specific Plan as being near the project site but the AFC does not contain a discussion of whether the project is consistent with the objectives of this Specific Plan. Please provide a discussion of the compatibility of the proposed project with the Villages of Laguna San Luis Community Specific Plan.
Appendix B (g) (15) (B)	A map at a scale of 1:24,000 and written description of agricultural land uses found within all areas affected by the proposed project. The description shall include:	Sections 5.4.1.2 through 5.4.1.2.2	Yes	
Appendix B (g) (15) (B) (i)	Crop types, irrigation systems, and any special cultivation practices; and	Sections 5.4.1.2 through 5.4.1.2.2	Yes	
Appendix B (g) (15) (B) (ii)	Whether farmland affected by the project is prime, of statewide importance, or unique as defined by the Natural Resource Conservation Service of the California Department of Conservation.	Sections 5.4.1.2 through 5.4.1.2.2	Yes	

Adequacy Issue: Adequate _____ Inadequate **X** **DATA ADEQUACY WORKSHEET**

Revision No. 0 Date November 28, 2001

Technical Area: **Land Use**

Project: Los Banos Voltage Support Facility

Technical Staff: Amanda Stennick

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (15) (C)	An assessment of the effects of the proposed project on soil resources and agricultural land uses. This decision shall include:	Sections 5.4.1.2 through 5.4.1.2.2	Yes	
Appendix B (g) (15) (C) (ii)	Direct and indirect effects on agricultural land uses; and	Sections 5.4.1.2 through 5.4.1.2.2	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 7.1-1	No	Section 5.9.1.2 identifies the Villages of Laguna San Luis Community Specific Plan as being near the project site but the AFC does not contain a discussion of whether the project is consistent with the objectives of this Specific Plan. Please provide a discussion of the compatibility of the proposed project with the Villages of Laguna San Luis Community Specific Plan.
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 7.1-1 Section 7.5.9	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Sections 5.9.1.3, 5.9.2.2, 5.9.2.3, and 5.9.6 through 5.9.6.4	No	Section 5.9.1.2 identifies the Villages of Laguna San Luis Community Specific Plan as being near the project site but the AFC does not contain a discussion of whether the project is consistent with the objectives of this Specific Plan. Please provide a discussion of the compatibility of the proposed project with the Villages of Laguna San Luis Community Specific Plan.
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.9-3	Yes	

Adequacy Issue:

Adequate

Inadequate

X

DATA ADEQUACY WORKSHEET

Revision No.

0

Date

November 28, 2001

Technical Area:

Land Use

Project:

Los Banos Voltage Support Facility

Technical Staff:

Amanda Stennick

Project Manager:

Jim Bartridge

Docket:

01-AFC-23

Technical Senior:

Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Table 5.9-4	Yes	

Adequacy Issue:	Adequate _____ Inadequate X	DATA ADEQUACY WORKSHEET (Six Month Expedited Process)		Revision No. 0	Date November 28, 2001
Technical Area:	Land Use	Project:	Los Banos Voltage Support Facility	Technical Staff:	Amanda Stennick
Project Manager:	Jim Bartridge	Docket:	01-AFC-23	Technical Senior:	Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Table 7.1-1	No	Section 5.9.1.2 identifies the Villages of Laguna San Luis Community Specific Plan as being near the project site but the AFC does not contain a discussion of whether the project is consistent with the objectives of this Specific Plan. Please provide a discussion of the compatibility of the proposed project with the Villages of Laguna San Luis Community Specific Plan.
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Sections 5.9.1.3, 5.9.2.2, 5.9.2.3, and 5.9.6 through 5.9.6.4	No	(see above). In addition, because a conditional use permit is required for the project, please provide a letter from the Merced County Planning Director that states the conditions under which the county would grant approval of the use permit if they were the permitting agency.)
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and		N/A	
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Section 7.5.9 Table 7.1-1	No	(see above)

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12/18/01

Technical Area: **Noise**

Project: Los Banos Voltage Support Facility

Technical Staff: Bob Brown

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Buntin/Alexander

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	AFC sec. 5.12; Pages 5.12-1 to 5.12-18	No	Ambient noise levels have not been adequately described; Merced Co noise standards have not been properly interpreted; project noise sources have not been fully quantified.
Appendix B (g) (4) (A)	A land use map which identifies residences, hospitals, libraries, schools, places of worship, or other facilities where quiet is an important attribute of the environment within the area impacted by the proposed project. The area impacted by the proposed project is that area where there is a potential increase of 5 dB(A) or more, during either construction or operation, over existing background levels.	AFC Figure 5.12-1	Yes	
Appendix B (g) (4) (B)	A description of the ambient noise levels at those sites identified under subsection (g)(4)(A) which the applicant believes provide a representative characterization of the ambient noise levels in the project vicinity, and a discussion of the general atmospheric conditions, including temperature, humidity, and the presence of wind and rain at the time of the measurements. The existing noise levels shall be determined by taking noise measurements for a minimum of 25 consecutive hours at a minimum of one site. Other sites may be monitored for duration at the applicant's discretion during the same 25-hour period. The results of the noise level measurements shall be reported in L_{eq} (equivalent sound or noise level), L_{dn} (day-night sound or noise level) or CNEL (Community Noise Equivalent Level) in units of dB(A). The L_{10} , L_{50} , and L_{90} values (noise levels exceeded 10 percent, 50 percent, and 90 percent of the time, respectively) shall also be reported.	AFC sec. 5.12.2; Pages 5.12-6 to 5.12-7	No	Ldn/CNEL has not been reported; ambient noise survey results reported in Table 5.12-3 do not agree with noise monitoring data sheets shown by Appendix "P" – L_{max} is shown by Appendix "P" as exceeding 70 dBA but is reported as 36 dBA; weather conditions at time of survey not described.

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12/18/01

Technical Area: **Noise**

Project: Los Banos Voltage Support Facility

Technical Staff: Bob Brown

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Buntin/Alexander

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (4) (C)	A description of the major noise sources of the project, including the range of noise levels and the tonal and frequency characteristics of the noise emitted.	AFC sec. 5.12.3.2; Pages 5.12-9 to 5.12-10	No	Report Sound Power Levels used for calculation of A-weighted Sound Pressure Levels, including noise source spectral data; describe calculation methodology.
Appendix B (g) (4) (D)	An estimate of the project noise levels, during both construction and operation, at residences, hospitals, libraries, schools, places of worship or other facilities where quiet is an important attribute of the environment, within the area impacted by the proposed project.	AFC sec 5.12.3.2 to 5.12.3.4, Pages 5.12-9 to 5.12-11	No	See above for (g) (4) (C)
Appendix B (g) (4) (E)	An estimate of the project noise levels within the project site boundary during both construction and operation and the impact to the workers at the site due to the estimated noise levels.	AFC sec. 5.12.3.2.3, Page 5.12-10	Yes	
Appendix B (g) (4) (F)	The audible noise from existing switchyards and overhead transmission lines that would be affected by the project and estimates of the future audible noise levels that would result from existing and proposed switchyards and transmission lines. Noise levels shall be calculated at the property boundary for switchyards and at the edge of the rights-of-way for transmission lines.	AFC sec. 5.12.3.4, Page 5.12-11.	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	AFC Table 7.1-1; AFC sec. 7.5.12, Pages 7-29 to 7-31.	Yes	

Adequacy Issue:

Adequate

Inadequate

X

DATA ADEQUACY WORKSHEET

Revision No. 0

Date 12/18/01

Technical Area:

Project:

Noise

Los Banos Voltage Support Facility

Technical Staff:

Bob Brown

Project Manager:

Docket:

Jim Bartridge

01-AFC-23

Technical Senior:

Buntin/Alexander

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	AFC sec 5.12.7, Pages 5.12-13 to 5.12-14	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	AFC sec. 5.12.3.2, Pages 5.12-9 to 5.12-10	No	Merced Co Noise Element standards not properly interpreted. There is a section that pertains specifically to non-transportation sources.
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	AFC sec 5.12.8, Page 5.12-15	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	No permits are required for noise.	Yes	

Adequacy Issue: Adequate _____ Inadequate **X** _____

DATA ADEQUACY WORKSHEET
(Six Month Expedited Process)

Revision No. 0 Date 12/18/01

Technical Area: **Noise**

Project: Los Banos Voltage Support Facility

Technical Staff: Bob Brown

Project Manager: Jim Bartridge

Docket: 01-ACE-23

Technical Senior: Buntin/Alexander

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	AFC sec 5.12.7; Pages 5.12-13 to 5.12-14	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	AFC sec. 5.12.7.3; Page 5.12-14	No	Merced Co standards for non-transportation noise sources have been incorrectly interpreted.
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and	Not Applicable	Yes	
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Not Applicable	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12/13/01

Technical Area: **Paleontological Resources**

Project: Los Banos Voltage Support Facility

Technical Staff: Janine W. Band, PhD RG

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Pilling/Alexander

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 5.8.3 Section 5.8.4 Section 5.8.5 Pages 5.8-6 to 7 Appendix L Section 4.0	Yes	
Appendix B (g) (16) (A)	Identification of the physiographic province and a brief summary of the geologic setting, formations, and stratigraphy of the project area. The area may vary depending on the depositional history of the area.	Section 5.8.1.5.1 pages 5.8-4 to 5 Appendix L Section 4.0	Yes	
Appendix B (g) (16) (B)	A discussion of the sensitivity of the project area described in subsection (g)(16)(A) and the presence and significance of any known paleontologic localities or other paleontologic resources within or adjacent to the project.	Section 5.1.8.5 page 5.8-4 Appendix L Section 6.3 and Section 6.4	No	Please include a map showing the location of the identified paleontologic resource as it is located within a one-mile radius of the LBVSF site.
Appendix B (g) (16) (C)	A summary of all literature searches and field surveys used to provide information about paleontologic resources in the project area described in subsection (g)(16)(A). Identify the dates of the surveys, methods used in completing the surveys, and the names and qualifications of the individuals conducting the surveys.	Section 5.8.1.3 page 5.8-3 Section 5.8.1.4 page 5.8-3 Appendix L Section 6.1, Section 6.2 and Section 6.3	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12/13/01

Technical Area: **Paleontological Resources**

Project: Los Banos Voltage Support Facility

Technical Staff: Janine W. Band, PhD RG

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Pilling/Alexander

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (16) (D)	Information on the specific location of known paleontologic resources, survey reports, locality records, and maps at a scale of 1:24,000, shall be included in a separate appendix to the Application and submitted to the Commission under a request for confidentiality, pursuant to Title 20, California Code of Regulations, § 2501 et seq.	Appendix L Section 7.1	Yes	
Appendix B (g) (16) (E)	A discussion of any educational programs proposed to enhance awareness of potential impacts to paleontological resources by employees, measures proposed for mitigation of impacts to known paleontologic resources, and a set of contingency measures for mitigation of potential impacts to currently unknown paleontologic resources.	Section 5.8.3 Pages 5.8-6 to 7	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;		No	Please include a table to show LORS applicability. If none are applicable, please state so.

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12/13/01

Technical Area: **Paleontological Resources**

Project: Los Banos Voltage Support Facility

Technical Staff: Janine W. Band, PhD RG

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Pilling/Alexander

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.		N/A	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 5.8.6 page 5.8-8	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.		N/A	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.		N/A	

Adequacy Issue: Adequate ☒ Inadequate ☐

DATA ADEQUACY WORKSHEET (Six Month Expedited Process)

Revision No. 0 Date Dec, 13, 2001

Technical Area: **Paleontological Resources**

Project: Los Banos Voltage Support Facility

Technical Staff: Janine W. Band

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Pat Pilling/Lynn Alexander

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Section 5.8.6 Page 5.8-8	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Section 5.8.6 Page 5.8-8	Yes	
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and		N/A	
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;		N/A	

Adequacy Issue: Adequate ☒ Inadequate ☐

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12/06/01

Technical Area: **Project Overview**

Project: Los Banos Voltage Support Facility

Technical Staff: Jim Bartridge

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Paul Richins

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Cal. Code Regs., tit. 20, § 1704, (a) (3) (A)	Descriptions of all significant assumptions, methodologies, and computational methods used in arriving at conclusions in the document.	Pages 1.0-1 through 1.0-10	Yes	
Cal. Code Regs., tit. 20, § 1704, (a) (3) (B)	Descriptions, including methodologies and findings, of all major studies or research efforts undertaken and relied upon to provide information for the document; and a description of ongoing research of significance to the project (including expected completion dates; and	Throughout entire AFC	Yes	
Cal. Code Regs., tit. 20, § 1704, (a) (3) (C)	A list of all literature relied upon or referenced in the documents, along with brief discussions of the relevance of each such reference	Throughout entire AFC	Yes	
Cal. Code Regs., tit. 20, § 1704, (a) (4)	Each principal subject area covered in a notice or application shall be set forth in a separate chapter or section, each of which shall identify the person or persons responsible for its preparation.	Throughout entire AFC Page 8.0-1	Yes	
Appendix B (a) (1) (A)	A general description of the proposed site and related facilities, including the location of the site or transmission routes, the type, size and capacity of the generating or transmission facilities, fuel characteristics, fuel supply, water supply, pollution control systems, and other general characteristics.	Throughout entire AFC	Yes	
Appendix B (a) (1) (B)	Identification of the location of the proposed site and related facilities by section, township, range, county and assessors parcel numbers.	Page 1.0-1 Section 1.1	Yes	
Appendix B (a) (1) (C)	A description of and maps depicting the region, the vicinity, and the site and its immediate surroundings.	Page 5.9-1 through 5.9-4 Section 5.9 (Land Use) Figure 5.9-1, 5.9-2 and 5.9-3	Yes	

Adequacy Issue: Adequate **X** Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12/06/01

Technical Area: **Project Overview**

Project: Los Banos Voltage Support Facility

Technical Staff: Jim Bartridge

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Paul Richins

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (a) (1) (D)	A full-page color photographic reproduction depicting the visual appearance of the site prior to construction, and a full-page color simulation or artist's rendering of the site and all project components at the site, after construction.	Figure 1.1-2, Figures 5.13-1 through 5.13.9	Yes	
Appendix B (a) (1) (E)	In an appendix to the application, a list of current assessor's parcel numbers and owners' names and addresses for all parcels within 500 feet of the proposed transmission line and other linear facilities, and within 1000 feet of the proposed powerplant and related facilities.	Appendix U Page 1 of 1	Yes	
Appendix B (a) (2)	Project Schedule: Proposed dates of initiation and completion of construction, initial start-up, and full-scale operation of the proposed facilities.	Page 3.8-1 through 3.8-3 Section 3.8 through 3.8.3.8	Yes	
Appendix B (a) (3) (A)	A list of all owners and operators of the site(s), the power plant facilities, and, if applicable, thermal host, the geothermal leasehold, the geothermal resource conveyance lines, and the geothermal re-injection system, and a description of their legal interest in these facilities.	Page 1.0-5 Section 1.4.3	Yes	
Appendix B (a) (3) (B)	A list of all owners and operators of the proposed electric transmission facilities.	Page 1.0-5 Section 1.4.3	Yes	
Appendix B (a) (3) (C)	A description of the legal relationship between the applicant and each of the persons or entities specified in subsections (a)(3)(A) and (B).	Page 1.0-4 through 1.0-5 Section 1.2.1.5 and 1.4.3	Yes	
Appendix B (b) (1) (A)	Maps at a scale of 1:24,000 (1" = 2000'), along with an identification of the dedicated leaseholds by section, township, range, county, and county assessor's parcel number, showing the proposed final locations and layout of the power plant and all related facilities;	Figures 3.5-2, 5.9-1, and 5.9-2	Yes	

Adequacy Issue: Adequate **X** Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12/06/01

Technical Area: **Project Overview**

Project: Los Banos Voltage Support Facility

Technical Staff: Jim Bartridge

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Paul Richins

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (1) (B)	Scale plan and elevation drawings depicting the relative size and location of the power plant and all related facilities;	Figures 3.4-1 through 3.4-3	Yes	
Appendix B (b) (1) (C)	A detailed description of the design, construction and operation of the facilities, specifically including the power generation, cooling, water supply and treatment, waste handling and control, pollution control, fuel handling, and safety, emergency and auxiliary systems, and fuel types and fuel use scenarios; and	Page 3.4-1 through 3.4-10 Section 3.4.1 through 3.4.1.3	Yes	
Appendix B (b) (2) (A)	Maps at a scale of 1:24,000 of each proposed transmission line route, showing the settled areas, parks, recreational areas, scenic areas, and existing transmission lines within one mile of the proposed route(s).	Figures 3.5-2 and 3.6-1	Yes	
Appendix B (b) (2) (B)	A full-page color photographic reproduction depicting a representative above ground section of the transmission line route prior to construction and a full-page color photographic simulation of that section of the transmission line route after construction.	Section 5.13 Figure 5.13-2 through 5.13-9	Yes	
Appendix B (c)	In a section entitled, "Demand Conformance" provide a discussion explaining how the proposed project conforms with the requirements of Public Resources Code § 25524 or Public Resources Code § 25540.6(a)(5). If the provisions of Public Resources Code § 25523.5 are applicable, explain how the project conforms with the requirements of this section. Additional data adequacy requirements may be contained in the Electricity Report applicable pursuant to Title 20, California Code of Regulations, § 1720.5.	Page 2.0-1 Section 2.1 through 2.2	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12/06/01

Technical Area: **Project Overview**

Project: Los Banos Voltage Support Facility

Technical Staff: Jim Bartridge

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Paul Richins

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (d) (1)	A copy of any study or analysis required by the terms of the Commission's Final Decision on the NOI, and a brief summary of the results of the study or analysis.		N/A	
Appendix B (d) (2)	Updates of any significant information which has changed since the Commission's Final Decision on the NOI.		N/A	
Appendix B (e) (1)	A discussion of how facility closure will be accomplished in the event of premature or unexpected cessation of operations.	Page 3.10-1 Section 3.10	Yes	

Adequacy Issue: Adequate _____ Inadequate **X** **DATA ADEQUACY WORKSHEET** Revision No. 0 Date 12/03/01
 (Six Month Expedited Process)

Technical Area: **Project Overview** Project: Los Banos Voltage Support Facility Technical Staff: Jim Bartridge
 Project Manager: Jim Bartridge Docket: 01-AFC-23 Technical Senior: Paul Richins

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Entire AFC	N/A	See individual technical sections
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Entire AFC	N/A	See individual technical sections
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and	Entire AFC	N/A	See individual technical sections
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Entire AFC	N/A	See individual technical sections
§2022(b)(2)	Substantial evidence that the project as proposed in the application will not cause a significant adverse impact on the environment, including the following:			
§2022(b)(5)(A) (Project Description)	Information demonstrating the applicant's control, by ownership, lease, option, or other legally binding agreement, that the Commission finds acceptable, of the proposed site and	Page 1.0-5	No	Please provide evidence of site control

Adequacy Issue: Adequate **X** Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date November 29, 2001

Technical Area: **Public Health**

Project: Los Banos Voltage Support Facility

Technical Staff: Alvin Greenberg

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Sec. 5.16.1 Sec. 5.16.2 Sec. 5.16.3 Sec. 5.16.4 Sec. 5.16.5 Sec. 5.2.4 Appendix O Appendix M	Yes	
Appendix B (g) (9) (A)	A list of all toxic substances emitted by the project under normal operating conditions, which may cause an adverse public health impact as a result of acute, chronic, or sub-chronic exposure and to which members of the public may be exposed. This list should include, at a minimum, any pollutants emitted by the project that are listed pursuant to Health and Safety Code § 25249.8.	Table 5.16-1	Yes	
Appendix B (g) (9) (B)	A protocol describing the analysis which the applicant will conduct to determine the extent of potential public exposure to substances identified in subsection (g)(9)(A) resulting from normal facility operation. The analysis itself can be submitted after the AFC is complete.	Sec. 5.16.2.3.	Yes	
Appendix B (g) (9) (C)	A map at a scale of 1:24,000, showing all terrain areas exceeding the elevation of the stack within a 10 mile radius of the facility.	Figure 5.16-1	Yes	
Appendix B (g) (9) (D)	A map at a scale of 1:24,000, showing the distribution of population and sensitive receptors within the area exposed to the substances identified in subsection (g)(9)(A).	Figure 5.16-2	Yes	

Adequacy Issue: Adequate **X** Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date November 29, 2001

Technical Area: **Public Health**

Project: Los Banos Voltage Support Facility

Technical Staff: Alvin Greenberg

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 7.1-1 Sec. 7.4.2.	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 5.16-6 Table 7.1-1	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Sec. 5.16.6.3 Table 7.1-1	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.16-6	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Table 5.16-7	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐

DATA ADEQUACY WORKSHEET (Six Month Expedited Process)

Revision No. 0 Date November 30, 2001

Technical Area: **Public Health**

Project: Los Banos Voltage Support Facility

Technical Staff: Alvin Greenberg

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Table 7.1-1 Sec. 7.4.2	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Sec. 5.16.6.3 Table 7.1-1	Yes	
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and		N/A	
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Sec. 5.16.6.1 Sec. 5.16.6.2 Table 5.16-7	Yes	
§2022(b)(2)	Substantial evidence that the project as proposed in the application will not cause a significant adverse impact on the environment, including the following:			

Adequacy Issue: Adequate **X** Inadequate

DATA ADEQUACY WORKSHEET
(Six Month Expedited Process)

Revision No. 0 Date November 30, 2001

Technical Area: **Public Health**

Project: Los Banos Voltage Support Facility

Technical Staff: Alvin Greenberg

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(2)(D) (Air Quality, Public Health)	A modeling analysis that identifies the extent of potential public exposure to toxic substances, as identified in subsection (g)(9)(A) of Appendix B, resulting from normal facility operation;	Sec. 5.16.2.3. Table 5.16-2a/b Sec. 5.16.2.4. Table 5.16-4 Table 5.16-5 Sec. 5.16.2.5	Yes	

Adequacy Issue: Adequate **X** Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 3, 2001

Technical Area: **Reliability**
Project Manager: **Jim Bartridge**

Project: **Los Banos Voltage Support Facility**
Docket: **01-AFC-23**

Technical Staff: **Steve Baker**
Technical Senior: **Steve Baker**

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	§§ 1.1, 1.4.2, 1.4.6, 1.4.7, 1.6.2, 1.6.3, 2.2, 3.1, 3.2, 3.3.2.2; Table 3.4-1; §§ 3.4.4.1, 3.4.5.5, 3.4.5.6, 3.4.6, 3.4.13, 3.7, 3.9.2, 3.9.4, 3.11.1, 3.11.3.2, 4.1.1, 4.3.1, 4.3.2; Table 4.3-1; §§ 4.3.3, 4.3.4, 4.3.5, 4.3.6, 4.3.8, 7.4.1; Table 7.1-1	Yes	
Appendix B (i) (3) (A)	A discussion of the sources and availability of the fuel or fuels to be used over the estimated service life of the facilities.	§§ 3.1, 3.4.6, 4.3.5; Appendix Y	Yes	
Appendix B (i) (3) (B)	A discussion of the anticipated service life and degree of reliability expected to be achieved by the proposed facilities based on a consideration of:			
Appendix B (i) (3) (B) (i)	Expected annual and lifetime capacity factors;	§§ 3.11.1, 4.3.3	Yes	
Appendix B (i) (3) (B) (ii)	The demonstrated or anticipated feasibility of the technologies, systems, components, and measures proposed to be employed in the facilities, including the power generation system, the heat dissipation system, the water supply system, the reinjection system, the atmospheric emission control system, resource conveyance lines, and the waste disposal system;	§§ 1.1, 1.4.7, 1.6.3, 3.1, 3.2, 3.4.4.1, 3.9.4, 4.3.6	Yes	
Appendix B (i) (3) (B) (iii)	Geologic and flood hazards, meteorologic conditions and climatic extremes, and cooling water availability;	§§ 1.6.2, 3.3.2.2, 4.1.1, 4.1.1.1, 4.1.1.2	Yes	
Appendix B (i) (3) (B) (iv)	Special design features adopted by the applicant or resource supplier to ensure power plant reliability; and	§§ 2.2, 3.4.4.1, 3.4.5.5, 3.4.5.6, 3.4.13, 3.9.2.1, 3.9.2.3, 3.11.1, 4.3.1, 4.3.1.2, 4.3.2.1, 4.3.4, 4.3.8	Yes	

Adequacy Issue: Adequate **X** Inadequate _____

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 3, 2001

Technical Area: **Reliability**
Project Manager: Jim Bartridge

Project: Los Banos Voltage Support Facility
Docket: 01-AFC-23

Technical Staff: Steve Baker
Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (3) (B) (v)	The expected power plant maturation period.	§ 4.3.1.3	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	§ 7.4.1; Table 7.1-1	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.		N/A	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).		N/A	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.		N/A	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.		N/A	

Adequacy Issue: Adequate _____ Inadequate **X**
 Technical Area: **Socioeconomics**
 Project Manager: **Jim Bartridge**

DATA ADEQUACY WORKSHEET

Project: **Los Banos Support Voltage**
 Docket: **01-AFC-23**

Revision No. **0** Date **12/7/01**
 Technical Staff: **James Adams**
 Technical Senior: **Dale Edwards**

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Pages 1.0-1, 4 & 9 AFC Section 1.0 Pages 3.8-1, Section 3.8.1 Pages 5.10-1 through 13 Section 5.10	Yes	
Appendix B (g) (7) (A)	A description of the socioeconomic circumstances of the vicinity and region affected by construction and operation of the project. Include:	Pages 5.10-4 through 6 Tables 5.10-3 through 6 Section 5.10.1.5	Yes	
Appendix B (g) (7) (A) (i)	The economic characteristics, including the economic base, fiscal resources, and a list of the applicable local agencies with taxing powers and their most recent and projected revenues;	Pages 5.10-4 through 6 Tables 5.10-3 through 6 Section 5.10.1.5	No	Please provide a list of the applicable local agencies with taxing powers and their most recent and projected revenues.
Appendix B (g) (7) (A) (ii)	The social characteristics, including population and demographic and community trends;	Page 5.10-2, Table 5.10-1 Section 5.10.1.2.1 Pages 1 through 4, Tables 1 & 2 Appendix T	Yes	
Appendix B (g) (7) (A) (iii)	Existing and projected unemployment rates;	Pages 5.10- 4 through 6 Tables 5.10-3, 4, 5, 6	Yes	
Appendix B (g) (7) (A) (iv)	Availability of skilled workers by craft required for construction and operation of the project;		No	Please provide tables showing availability of skilled workers by craft required for construction and operation of the project.
Appendix B (g) (7) (A) (v)	Availability of temporary and permanent housing; and	Pages 5.10-2 & 3	No	Please provide the availability of temporary housing.

Adequacy Issue: Adequate _____ Inadequate **X**
 Technical Area: **Socioeconomics**
 Project Manager: **Jim Bartridge**

DATA ADEQUACY WORKSHEET

Project: **Los Banos Support Voltage**
 Docket: **01-AFC-23**

Revision No. **0** Date **12/7/01**
 Technical Staff: **James Adams**
 Technical Senior: **Dale Edwards**

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (7) (A) (vi)	Capacities, existing and expected use levels, and planned expansion of utilities (gas, water and waste) and public services, including fire protection, law enforcement, emergency response, medical facilities, other assessment districts, and school districts. For projects outside metropolitan areas with a population of 500,000 or more, information for each school district shall include current enrollment and yearly expected enrollment by grade level groupings, excluding project-related changes, for the duration of the project construction schedule.		No	Please provide a description of capacities, existing and expected use levels, and planned expansion of utilities (gas, water and waste) and public services, including fire protection, law enforcement, emergency response, medical facilities, other assessment districts, and school districts. Include information for each school district that will include current enrollment and yearly expected enrollment by grade level groupings, excluding project-related changes, for the duration of the project construction schedule.
Appendix B (g) (7) (B)	A discussion of the socioeconomic impacts caused by the construction and operation of the project, including:	Pages 5.10-7 through 11 Section 5.10-2. 3. 4 Tables 5.10-8 & 9	Yes	
Appendix B (g) (7) (B) (i)	The number of workers to be employed each month by craft during construction and operation;	Page 3.8-1, Table 3.8-2 Section 3.8 Page 5.10-9, Table 5.10-7 Section 5.10.3.1	Yes	
Appendix B (g) (7) (B) (ii)	An estimate of the number and percentage of workers who will commute daily, commute weekly, or relocate in order to work on the project;	Page 5.10-8 Section 5.10.2.2 & 3	Yes	
Appendix B (g) (7) (B) (iii)	An estimate of the potential population increase caused directly and indirectly by the project;	Pages 5.10-8 & 9 Sections 5.10.2.3 , 5.10.3.1	Yes	
Appendix B (g) (7) (B) (iv)	The potential impact of population increase on housing during the construction and operations phases;	PP. 5.10-8 & 9 Sections 5.10.2.3, 5.10.3.3	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**
 Technical Area: **Socioeconomics**
 Project Manager: **Jim Bartridge**

DATA ADEQUACY WORKSHEET

Project: **Los Banos Support Voltage**
 Docket: **01-AFC-23**

Revision No. **0** Date **12/7/01**
 Technical Staff: **James Adams**
 Technical Senior: **Dale Edwards**

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (7) (B) (v)	The potential impacts, including additional costs, on utilities (gas, water and waste) and public services, including fire, law enforcement, emergency response, medical facilities, other assessment districts, and school districts. For projects outside metropolitan areas with a population of 500,000 or more, information on schools shall include project-related enrollment changes by grade level groupings and associated facility and staffing impacts by school district during the construction and operation phases;	Pages 5.10-8 & 9 Section 5.10.2 & 5.10-3	No	Please provide the potential impacts, including additional costs, on utilities (gas, water and waste) and public services, including fire, law enforcement, emergency response, medical facilities, and other assessment districts.
Appendix B (g) (7) (B) (vi)	An estimate of applicable school impact fees;	Page 5.10-8 Section 5.10.2.3 Page 5.10-11 Section 5.10.4.3	Yes	
Appendix B (g) (7) (B) (vii)	An estimate of the total construction payroll and an estimate of the total operation payroll;	Page 5.10-7 Section 5.10.2 Page 5.10-9 Section 5.10.3.1	No	Please provide an estimate of the total construction payroll.
Appendix B (g) (7) (B) (viii)	An estimate of the expenditures for locally purchased materials for the construction and operation phases of the project; and	Page 5.10-7 through 9 Section 5.10.2 Page 5.10-9 Section 5.10.3 Page 5.10-11 Section 5.10.4.2	Yes	
Appendix B (g) (7) (B) (ix)	An estimate of the capital cost of the project of the potential impacts on tax revenues from construction and operation of the project.	Page 5.10-7 Section 5.10.2 Page 5.10-10 Table 5.10-9 Section 5.10.4.1	No	Please provide an estimate of potential impacts on tax revenues from operation of the project.

Adequacy Issue: Adequate _____ Inadequate **X**
 Technical Area: **Socioeconomics**
 Project Manager: **Jim Bartridge**

DATA ADEQUACY WORKSHEET

Project: **Los Banos Support Voltage**
 Docket: **01-AFC-23**

Revision No. **0** Date **12/7/01**
 Technical Staff: **James Adams**
 Technical Senior: **Dale Edwards**

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Pages 7-27 & 28 Section 7.5.10	No	Please provide a table which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Page 5.10-12 Section 5.10-10	No	Please provide a table which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Page 5.10-12 Section 5.10.9	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Page 5.10-12 Section 5.10.9	No	Please provide the name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.
Appendix (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Page 5.10-3 Section 5.10.11	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐

DATA ADEQUACY WORKSHEET (Six Month Expedited Process)

Revision No. 0 Date 12/7/01

Technical Area: **Socioeconomics**

Project: Los Banos Voltage Support Facility

Technical Staff: James Adams

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Pages 7-27 & 28 Section 7.5.10	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Page 5.10-12 Section 5.10.9	Yes	
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and		N/A	
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Page 5.10-12 Section 5.10-10	N/A	
§2022(b)(2)	Substantial evidence that the project as proposed in the application will not cause a significant adverse impact on the environment, including the following:			

Adequacy Issue: Adequate ☒ Inadequate ☐

DATA ADEQUACY WORKSHEET (Six Month Expedited Process)

Revision No. 0 Date 12/7/01

Technical Area: **Socioeconomics**

Project: Los Banos Voltage Support Facility

Technical Staff: James Adams

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(4) (Any area that addresses disproportionate impacts; environmental justice)	A discussion of the potential for disproportionate impacts from the project on minority or low-income people; such discussion shall include, but not be limited to, all of the following:			
§2022(b)(4)(A) (Land Use, Socioeconomics)	Demographic information by census tract, based on the most recent census data available, showing the number and percentage of minority populations and people living below the poverty level within six miles of the proposed site;		Yes	Applicant did provide demographic information within 3.2 miles, and staff has the necessary information within six miles to perform an appropriate analysis.
§2022(b)(4)(B) (Land Use, Socioeconomics)	One or more maps at a scale of 1:24,000 showing the distribution of minority populations and low-income populations and significant pollution sources within six miles of the proposed site, such as those permitted by the U.S. Environmental Protection Agency (Toxic Release Inventory sites), the local air quality management district, or the California Department of Toxic Substances Control; and	Figures 5.9-1 & 2 Figures 5.10-2, 3 , 4	Yes	

Adequacy Issue: Adequate **X** Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12.12.01

Technical Area: **Soil Resources**

Project: Los Banos Voltage Support Facility

Technical Staff: Mike Krolak

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Page 1.0-7 Pages 3.3-1 & 2 Pages 5.4-1 to 14 Tables 5.4-1 and 2	Yes	
Appendix B (g) (15) (A)	A map at a scale of 1:24,000 and written description of soil types and all agricultural land uses that will be affected by the proposed project. The description shall include:	Map: Figure 5.4-1 Pages 5.4-1 to 7	Yes	
Appendix B (g) (15) (A) (i)	The depth, texture, permeability, drainage, erosion hazard rating, and land capability class of the soil; and	Pages 5.4-4 to 6 Table 5.4-1	Yes	
Appendix B (g) (15) (A) (ii)	An identification of other physical and chemical characteristics of the soil necessary to allow an evaluation of soil erodibility, permeability, re-vegetation potential, and cycling of pollutants in the soil-vegetation system.	Pages 5.4-4 to 7	Yes	
Appendix B (g) (15) (C)	An assessment of the effects of the proposed project on soil resources and agricultural land uses. This discussion shall include:	Page 1.0-7 Pages 5.4-7 to 9	Yes	
Appendix B (g) (15) (C) (i)	The quantification of accelerated soil loss due to wind and water erosion;	Pages 5.4-11 & 12	Yes	
Appendix B (g) (15) (C) (iii)	The effect of power plant emissions on surrounding soil-vegetation systems.	Pages 5.2-28 to 31	Yes	

Adequacy Issue: Adequate **X** Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12.12.01

Technical Area: **Soil Resources**

Project: Los Banos Voltage Support Facility

Technical Staff: Mike Krolak

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Pages 5.4-12 & 13	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 5.4-4	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Pages 5.4-9 to 11	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.4-3	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Table 5.4-4	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐

DATA ADEQUACY WORKSHEET (Six Month Expedited Process)

Revision No. 0 Date 12.17.01

Technical Area: **Soil Resources**

Project: Los Banos Voltage Support Facility

Technical Staff: Mike Krolak

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Pages 7-16 to 7-21	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Pages 5.4-1 to 14	Yes	
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and		N/A	
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Pages 5.4-12 to 14	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 16, 2001

Technical Area: **T-Line Safety and Nuisance**

Project: Los Banos Voltage Support Facility

Technical Staff: Obed Odoemelam

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (18) (A)	The locations and a description of the existing switchyards and overhead and underground transmission lines that would be affected by the proposed project.	Section 4.2, Page 4.2-1.	Yes	
Appendix B (g) (18) (B)	An estimate of the existing electric and magnetic fields from the facilities listed in (A) above and the future electric and magnetic fields that would be created by the proposed project, calculated at the property boundary of the site and at the edge of the rights of way for any transmission line. Also provide an estimate of the radio and television interference that could result from the project.	Section 4.2, Page 4-2-3. Appendix H.	Yes	
Appendix B (g) (18) (C)	Specific measures proposed to mitigate identified impacts, including a description of measures proposed to eliminate or reduce radio and television interference, and all measures taken to reduce electric and magnetic field levels.	Section 4.2.0, Page 4-2-3.	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Section 7.0, Pages 7-42 and 7-43.	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 16, 2001

Technical Area: **T-Line Safety and Nuisance**

Project: Los Banos Voltage Support Facility

Technical Staff: Obed Odoemelam

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Section 7.0, pages 7-42 and 7-43.	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 4.2, pages 4.2-3 and 4.2-4.	Yes	
Appendix B (h) (3)	The name, title, phones number, and address, if known, of an official within each agency who will serve as a contact person for the agency.		N/A	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Section 4.2, page 4.2-1.	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐

DATA ADEQUACY WORKSHEET (Six Month Expedited Process)

Revision No. 0 Date December 18, 2001

Technical Area: **T- Line Safety and Nuisance**

Project: Los Banos Voltage Support Facility

Technical Staff: Obed Odoemelam

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Sec. 7.4.3 Table 7.1-1, Pages 7-42,43	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Sec. 4.2.2 Sec. 4.2.3 Sec. 4.2.4	Yes	
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and		N/A	
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Sec. 7.4.3 Table 7.1-1	Yes	

Adequacy Issue: Adequate _____ Inadequate **X** **DATA ADEQUACY WORKSHEET** Revision No. 0 Date 11/29/01

Technical Area: **Traffic and Transportation** Project: Los Banos Voltage Support Facility Technical Staff: Ken Peterson

Project Manager: Jim Bartridge Docket: 01-AFC-23 Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Sec. 5.11.1.5, Page 5.11-3 & 4 Sec. 5.11.2 through 4, Pages 5.11-4 through 9 Sec. 5.11.9, Pages 5.11-12 & 13	No	Page 5.11-8 states regarding Cumulative impacts that no other power plants are planned; please provide information on other types of proposed traffic-producing projects (i.e., projects that have entered a permit review process) within fifteen miles of the site; or state that there are no such projects.
Appendix B (g) (5) (A)	A regional transportation setting, on topographic maps (scale of 1:250,000), identifying the project location and major transportation facilities. Include a reference to the transportation element of any applicable local or regional plan.	Figure 5.11-1 Sec. 5.11.6.3, Pages.5.11-10-11	Yes	
Appendix B (g) (5) (B)	An identification, on topographic maps at a scale of 1:24,000 and a description of existing and planned roads, rail lines, including light rail, bike trails, airports, bus routes serving the project vicinity, pipelines, and canals in the project area affected by or serving the proposed facility. For each road identified, include the following information, where applicable:	Figure 5.11-2	Yes	
Appendix B (g) (5) (B) (i)	Road classification and design capacity;	Table 5.11-2, Page 5.11-4	Yes	
Appendix B (g) (5) (B) (ii)	Current daily average and peak traffic counts;	Table 5.11-2, Page 5.11-4	No	Table 5.11-2 does not contain average traffic counts. Please submit a revised table that includes average traffic counts.
Appendix B (g) (5) (B) (iii)	Current and projected levels of service before project development, during construction, and during project operation;	Table 5.11-2, Page 5.11-4 Table 5.11.2.2.2, Page 5.11-8 Sec. 5.11.2.2.1, Page 5.11-7	Yes	

Adequacy Issue: Adequate _____ Inadequate **X** **DATA ADEQUACY WORKSHEET** Revision No. 0 Date 11/29/01

Technical Area: **Traffic and Transportation** Project: Los Banos Voltage Support Facility Technical Staff: Ken Peterson

Project Manager: Jim Bartridge Docket: 01-AFC-23 Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (5) (B) (iv)	Weight and load limitations;	No information	No	Please submit information on specific road limitations.
Appendix B (g) (5) (B) (v)	Estimated percentage of current traffic flows for passenger vehicles and trucks; and	Table 5.11-2, Page 5.11-4	Yes	
Appendix B (g) (5) (B) (vi)	An identification of any road features affecting public safety.	None mentioned	Yes	
Appendix B (g) (5) (C)	A description of any new, planned, or programmed transportation facilities in the project vicinity, including those necessary for construction and operation of the proposed project. Specify the location of such facilities on topographic maps at a scale of 1:24,000.	Sec. 5.11.1.5, Page 5.11-3 Figure 5.11-2	No	Please submit a map that includes the proposed new on-site private road.
Appendix B (g) (5) (D)	An assessment of the construction and operation impacts of the proposed project on the transportation facilities identified. Include anticipated project-specific traffic, estimated changes to daily average and peak traffic counts, levels of service, and traffic/truck mix, and the impact of construction of any facilities identified in subsection (g)(5)(C).	Sec. 5.11.2.2, Pages 5.11-5 through 8	Yes	
Appendix B (g) (5) (E)	A discussion of project-related hazardous materials to be transported to or from the project during construction and operation of the project, including the types, estimated quantities, estimated number of trips, anticipated routes, means of transportation, and any transportation hazards associated with such transport.	Sec. 5.11.2.2.2, Page 5.11-8	Yes	

Adequacy Issue: Adequate _____ Inadequate **X** **DATA ADEQUACY WORKSHEET** Revision No. 0 Date 11/29/01

Technical Area: **Traffic and Transportation** Project: Los Banos Voltage Support Facility Technical Staff: Ken Peterson

Project Manager: Jim Bartridge Docket: 01-AFC-23 Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Sec. 5.11.1.1, Pages 5.11-1 & 2 Sec. 5.11.6, Pages 5.11-9 through 12 Table 5.11-5, Page 5.11-11 & 12	No	Please submit a revised LORS table that includes: 1) the Regional Transportation Plan and an explanation of project compliance with this plan; 2) reference to the County encroachment and driveway permits referred to in Table 5.11-6, p. 5.11-12.
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Tables 5.11-5 & 6, Page 5.11-12	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Table 5.11-5, Pages 5.11-11 & 12	No	Please submit a revised LORS table that includes the Regional Transportation Plan and an explanation of project compliance with this plan.
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.11-6, Page 5.11-12	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Table 5.11-7, Page 5.11-12	Yes	

Adequacy Issue: Adequate _____ Inadequate **X** **DATA ADEQUACY WORKSHEET** Revision No. 0 Date Nov. 29, 2001
 (Six Month Expedited Process)
 Technical Area: **Traffic and Transportation** Project: Los Banos Voltage Support Facility Technical Staff: Ken Peterson
 Project Manager: Jim Bartridge Docket: 01-AFC-23 Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Sec. 5.11.1.1, pp. 5.11-1& 2 Sec. 5.11.6, pp. 5.11-9 through 12	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Table 5.11-5, pp. 5.11-11 & 12	No	Please include the Regional Transportation Plan And a discussion of the conformity of the project with this plan in the LORS table.
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and	No information	Yes	
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Table 5.11-6, pp. 5.11 & 12	No	Please submit a revised LORS table that includes the County encroachment and driveway permits referred to in Table 5.11-6, p. 5.11-12.

Adequacy Issue: Adequate _____ Inadequate **X** **DATA ADEQUACY WORKSHEET** Revision No. _____ Date 12/18/01

Technical Area: **Transmission System Eng.** Project: Los Banos Voltage Support Facility Technical Staff: Mark Hesters

Project Manager: Jim Bartridge Docket: 01-AFC-23 Technical Senior: Al McCuen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (2) (A)	A discussion of the need for the additional electric transmission lines, substations, or other equipment, the basis for selecting principal points of junction with the existing electric transmission system, and the capacity and voltage levels of the proposed lines, along with the basis for selection of the capacity and voltage levels.	3.6.2, Pages 3.6-1 and 3.6-2	No	The interconnection study is required to determine the potential need for facilities past the point where the outlet joins with the interconnected system.
Appendix B (i) (2) (B)	A discussion of the extent to which the proposed electric transmission facilities have been designed, planned, and routed to meet the transmission requirements created by additional generating facilities planned by the applicant or any other entity.	5.18, Page 5.18-1	Yes	
Appendix B (b) (2) (C)	A detailed description of the design, construction, and operation of any electric transmission facilities, such as power lines, substations, switchyards, or other transmission equipment, which will be constructed or modified to transmit electrical power from the proposed power plant to the load centers to be served by the facility. Such description shall include the width of rights of way and the physical and electrical characteristics of electrical transmission facilities such as towers, conductors, and insulators. This description shall include power load flow diagrams which demonstrate conformance or nonconformance with utility reliability and planning criteria at the time the facility is expected to be placed in operation and five years thereafter; and	3.6-2, Pages 3.6-1 and 3.6-2	No	Provide power load flow diagrams that demonstrate conformance or nonconformance with utility reliability and planning criteria at the time the facility is expected to be placed in operation and five years thereafter. Please note that the study plan in Appendix Q indicates that the study will analyze 2002 and with a 12-month AFC process this is operation date is not feasible.

Adequacy Issue: Adequate _____ Inadequate **X** **DATA ADEQUACY WORKSHEET** Revision No. _____ Date 12/18/01

Technical Area: **Transmission System Eng.** Project: Los Banos Voltage Support Facility Technical Staff: Mark Hesters

Project Manager: Jim Bartridge Docket: 01-AFC-23 Technical Senior: Al McCuen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (2) (D)	A description of how the route and additional transmission facilities were selected, and the consideration given to engineering constraints, environmental impacts, resource conveyance constraints, and electric transmission constraints.	3.6-2, pages 3.6-1 and 3.6-2	Yes	
Appendix B (g) (18) (A)	The locations and a description of the existing switchyards and overhead and underground transmission lines that would be affected by the proposed project.	Appendix Q, page 3	Yes	
Appendix B (g) (18) (B)	An estimate of the existing electric and magnetic fields from the facilities listed in (A) above and the future electric and magnetic fields that would be created by the proposed project, calculated at the property boundary of the site and at the edge of the rights of way for any transmission line. Also provide an estimate of the radio and television interference that could result from the project.	Covered by Transmission Line Safety and Nuisance	N/A	
Appendix B (g) (18) (C)	Specific measures proposed to mitigate identified impacts, including a description of measures proposed to eliminate or reduce radio and television interference, and all measures taken to reduce electric and magnetic field levels.	Covered by Transmission Line Safety and Nuisance	N/A	

Adequacy Issue: Adequate _____ Inadequate **X** **DATA ADEQUACY WORKSHEET** Revision No. _____ Date 12/18/01

Technical Area: **Transmission System Eng.** Project: Los Banos Voltage Support Facility Technical Staff: Mark Hesters

Project Manager: Jim Bartridge Docket: 01-AFC-23 Technical Senior: Al McCuen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 7.7-1 page 7-43 3.6.3.1, page 3.6-2 3.6.4.1, page 3.6-3	No	Add California Independent System Operator reliability criteria and North American Electric Reliability Council planning standards.
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 7.7-1 page 7-43 3.6.3.1, page 3.6-2 3.6.4.1, page 3.6-3	No	Add California Independent System Operator reliability criteria and North American Electric Reliability Council planning standards.
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Table 7.7-1 page 7-43 3.6.3.1, page 3.6-2 3.6.4.1, page 3.6-3	No	Add California Independent System Operator reliability criteria and North American Electric Reliability Council planning standards.
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	N/A	N/A	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	N/A	N/A	

Adequacy Issue:	Adequate _____ Inadequate X	DATA ADEQUACY WORKSHEET (Six Month Expedited Process)	Revision No. 0	Date 12/18/01
Technical Area:	Transmission System Eng.	Project: Los Banos Voltage Support Facility	Technical Staff:	Mark Hesters
Project Manager:	Jim Bartridge	Docket: 01-AFC-23	Technical Senior:	Al McCuen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Table 7.7-1 Page 7-43 3.6.3.1, Page 3.6-2 3.6.4.1, Page 3.6-3	No	Add California Independent System Operator reliability criteria and North American Electric Reliability Council planning standards.
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	3.6.3.1, Page 3.6-2 3.6.4.1, Page 3.6-3	No	Add California Independent System Operator reliability criteria and North American Electric Reliability Council planning standards.
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and		N/A	
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Table 7.7-1 Page 7-43 3.6.3.1, Page 3.6-2 3.6.4.1, Page 3.6-3	No	Add California Independent System Operator reliability criteria and North American Electric Reliability Council planning standards.
§2022(b)(3) (TSE)	Substantial evidence that the project will not cause a significant adverse impact on the electrical system, including all of the following:			

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET
(Six Month Expedited Process)

Revision No. 0 Date 12/18/01

Technical Area: **Transmission System Eng.**

Project: Los Banos Voltage Support Facility

Technical Staff: Mark Hesters

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Al McCuen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(3)(A) (TSE)	An interconnection study identifying the electrical system impacts and a discussion of the mitigation measures considered and those proposed to maintain conformance with NERC, WSCC, Cal-ISO or other applicable reliability or planning criteria based on load flow, post transient, transient, and fault current studies performed by or for the transmission owner in accordance with all applicable Cal-ISO or other interconnection authority's tariffs, operating agreements, and scheduling protocols and	3.6.4.2, page 3.6-3 Appendix Q	No	Provide the interconnection Study. The study plan indicates that the study will analyze 2002. This project does not seem viable for summer 2002 and the study year should be changed to 2003.
§2022(b)(2)(B) (TSE/FD)	A full description of the facilities, if any, that are required for interconnection, including all such facilities beyond the point where the outlet line joins with the interconnected system and a full description of the environmental setting, environmental impacts, and any recommended mitigation measures proposed by the applicant for any required facilities beyond the point where the outlet joints with the interconnected system;	3.6.3.1, page 3.6.2	No	The interconnection study is required to determine the potential need for facilities past the point where the outlet joins with the interconnected system.

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 18, 2001

Technical Area: Visual Resources

Project: Los Banos Voltage Supply Facility

Technical Staff: Eric Knight

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Pages 5.13-2 – 5.13-3; Section 5.13.1 Pages 5.13-6 – 5.13-8; Section 5.13.1.7.2 Pages 5.13-11 – 5.13-15; Section 5.13.2	No	The proposed transmission line would be visible from the area of Key Observation Point (KOP) 1 (established to represent views from the San Luis RV Resort and State Route 152). However, the impacts discussion for KOP 1 (page 5.13-11) does not discuss the visual impacts of the proposed transmission line. Please provide a discussion of the visual impacts of the transmission line on viewers in the area of KOP 1. The discussion of cumulative impacts (page 5.13-15) states that “the proposed project combined with other construction projects will not have a cumulative impact on the visual resources of the area because the proposed project is located within an established agricultural area.” Other than a commercial/residential project currently under construction in the area of KOP 1, the AFC does not identify the other construction projects in the project viewshed. Please identify all construction projects in the project viewshed, and discuss whether the cumulative visual impacts of the proposed project in conjunction with these projects would be significant.
Appendix B (g) (6) (A)	Descriptions of the existing visual setting of the vicinity of the project, the region that can be seen from the vicinity of the project, and the proposed project site. Include:	Pages 5.13-2 – 5.13-3; Section 5.13.1	No	Please describe the existing visual characteristics of the proposed power plant site.
Appendix B (g) (6) (A) (i)	Topographic maps at a scale of 1:24,000 of the areas from which the project may be seen, identification of the view areas most sensitive to the potential visual impacts of the project, and the locations where photographs were taken for (g)(6)(E);	Figures 5.13-1 and 5.13-10	No	Please provide Figure 5.13-10 at a scale of 1:24,000.

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 18, 2001

Technical Area: **Visual Resources**

Project: Los Banos Voltage Supply Facility

Technical Staff: Eric Knight

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (6) (A) (ii)	Elevations of any existing structures on the site; and		N/A	
Appendix B (g) (6) (A) (iii)	The visual properties of the topography, vegetation, and any modifications to the landscape as a result of human activities.	Pages 5.13-2 – 5.13-3; Section 5.13.1	Yes	
Appendix B (g) (6) (B)	An assessment of the visual quality of those areas that will be impacted by the proposed project.	Pages 5.13-6 – 5.13-8; Section 5.13.1.7.2	Yes	
Appendix B (g) (6) (C)	After discussions with staff and community residents who live in close proximity to the proposed project, identify the scenic corridors and any visually sensitive areas potentially affected by the proposed project, including recreational and residential areas. Indicate the approximate number of people using each of these sensitive areas and the estimated number of residences with views of the project. For purposes of this section, a scenic corridor is that area of land with scenic natural beauty, adjacent to and visible from a linear feature, such as a road, or river.	Pages 5.13-6 – 5.13-9; Section 5.13.1.7.2	No	Please provide the estimated number of people using the San Luis RV Resort (KOP 1).
Appendix B (g) (6) (D)	A description of the dimensions, color, and material of each major visible component of the project.	Page 5.13-10; Table 5.13-1 Page 5.13-10; Section 5.13.2.2.2 Page 5.13-12; Section 5.13.2.3	No	The AFC states that 50-foot tall transmission line poles would be used to cross under existing lines, but does not provide the height(s) of the other poles proposed for the 2.2 mile long transmission line. Please provide the heights of all proposed transmission line poles.

Adequacy Issue: Adequate _____ Inadequate **X** **DATA ADEQUACY WORKSHEET** Revision No. 0 Date December 18, 2001

Technical Area: Visual Resources Project: Los Banos Voltage Supply Facility Technical Staff: Eric Knight

Project Manager: Jim Bartridge Docket: 01-AFC-23 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (6) (E)	Full-page color photographic reproductions of the existing site, and full-page color simulations of the proposed project in the existing setting from each location representative of the view areas most sensitive to the potential visual impacts of the project.	Figures 5.13-2 – 5.13-9	Yes	
Appendix B (g) (6) (F)	An assessment of the visual impacts of the project, including light and glare, and visible plumes.	Pages 5.13-11 – 5.13-14	No	Please discuss existing nighttime lighting levels at the site, and the impact of the proposed project's exterior lighting on the character of the existing landscape at night. Please discuss the potential for glare (sunlight reflecting off project structure surfaces) that could affect daytime views.
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Pages 7-27 and 7-32; Section 7.5.13	No	Please identify any applicable Merced County Zoning Code standards related to the preservation of visual resources.
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Pages 7-27 and 7-32; Section 7.5.13	Yes	

Adequacy Issue:

Adequate

Inadequate

X

DATA ADEQUACY WORKSHEET

Revision No.

0

Date

December 18, 2001

Technical Area:

Visual Resources

Project:

Los Banos Voltage Supply Facility

Technical Staff:

Eric Knight

Project Manager:

Jim Bartridge

Docket:

01-AFC-23

Technical Senior:

Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Page 5.13-15; Section 5.13.6	No	Please discuss how the project would conform to any applicable Merced County Zoning Code standards related to the preservation of visual resources identified for Appendix B (h)(1)(A).
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.13-1	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Page 5.13-16; Section 5.13.8	N/A	

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET
(Six Month Expedited Process)

Revision No. 0 Date December 18, 2001

Technical Area: **Visual Resources**

Project: Los Banos Voltage Supply Facility

Technical Staff: Eric Knight

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Pages 7-27 and 7-32; Section 7.5.13	No	Please identify any applicable Merced County Zoning Code standards related to the preservation of visual resources.
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Page 5.13-15; Section 5.13.6	No	Please discuss how the project would conform to any applicable Merced County Zoning Code standards related to the preservation of visual resources identified for Appendix B (h)(1)(A).
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and	Page 5.9-5; Section 5.9.1.3.3	No	The AFC indicates that Merced County has no plans to update the General Plan in the future, however, there is no mention whether changes to the Zoning Code are expected. Please discuss whether changes to Zoning Code standards related to visual resources are expected between the time of filing of the AFC and certification. If changes are expected, please provide information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standards.
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;		No	Information provided for §2022(b)(1)(B) and §2022(b)(1)(B) will satisfy this requirement.

Adequacy Issue: Adequate **X** Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 18, 2001

Technical Area: **Waste Management**

Project: Los Banos Voltage Support Facility

Technical Staff: Alvin Greenberg

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (1) (C)	A detailed description of the design, construction and operation of the facilities, specifically including the power generation, cooling, water supply and treatment, waste handling and control, pollution control, fuel handling, and safety, emergency and auxiliary systems, and fuel types and fuel use scenarios; and	Sec. 3.4 Sec. 3.5	Yes	
Appendix B (e) (2)	A discussion of how facility closure will be accomplished in the event of premature or unexpected cessation of operations.	Sec. 5.14.2.2 Sec. 3.10	Yes	
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Sec. 5.14.1 Sec. 5.14.2 Sec. 5.14.3 Sec. 5.13.4 Sec. 5.14.4 Sec. 5.14.5	Yes	
Appendix B (g) (12) (A)	A Phase I Environmental Site Assessment for the proposed power plant site using methods prescribed by the American Society for Testing and Materials (ASTM) document entitled "Standard Practice for Environmental Site Assessments: Phase 1 Environmental Site Assessment Process" (Designation: E 1527-93, May 1993), which is incorporated by reference in its entirety; or an equivalent method agreed upon by the applicant and the CEC Staff that provides similar documentation of the potential level and extent of site contamination.	Appendix S	Yes	

Adequacy Issue: Adequate **X** Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 18, 2001

Technical Area: **Waste Management**

Project: Los Banos Voltage Support Facility

Technical Staff: Alvin Greenberg

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (12) (B)	A description of each waste stream estimated to be generated during project construction and operation, including origin, hazardous or nonhazardous classification pursuant to Title 22, California Code of Regulations, § 66261.20 et seq., chemical composition, estimated annual weight or volume generated, and estimated frequency of generation.	Sec. 5.14.2.1.1 Sec. 5.14.2.1.2 Table 5.14-2 Table 5.14-3	Yes	
Appendix B (g) (12) (C)	A description of all waste disposal sites which may feasibly be used for disposal of project wastes. For each site, include the name, location, classification under Title 23, California Code of Regulations, § 2530 et seq., the daily or annual permitted capacity, daily or annual amounts of waste currently being accepted, the estimated closure date and remaining capacity, and a description of any enforcement action taken by local or state agencies due to waste disposal activities at the site.	Sec. 5.14.1.1 Sec. 5.14.1.2 Table 5.14-1	Yes	
Appendix B (g) (12) (D)	A description of management methods for each waste stream, including methods used to minimize waste generation, length of on- and off-site waste storage, re-use and recycling opportunities, waste treatment methods used, and use of contractors for treatment.	Sec. 5.14.2.1 Sec. 5.14.4.1 Sec. 5.14.4.2	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 7.1-1 Sec. 5.14.6	Yes	

Adequacy Issue: Adequate **X** Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 18, 2001

Technical Area: **Waste Management**

Project: Los Banos Voltage Support Facility

Technical Staff: Alvin Greenberg

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 5.14-4 Table 7.1-1	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Sec. 5.14.6 Table 7.1-1	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.14-4	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Sec. 5.14.8 Table 5.14-5	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐

DATA ADEQUACY WORKSHEET (Six Month Expedited Process)

Revision No. 0 Date November 30, 2001

Technical Area: **Waste Management**

Project: Los Banos Voltage Support Facility

Technical Staff: Alvin Greenberg

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Table. 7.1-1 Sec. 5.14.6.	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Sec. 5.14.6. Table 7.1-1	Yes	
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and		N/A	
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Sec. 5.14.6 Table 5.14-5	Yes	

Adequacy Issue: Adequate _____ Inadequate **X** **DATA ADEQUACY WORKSHEET** Revision No. 0 Date 12.12.01

Technical Area: **Water Resources** Project: Los Banos Voltage Support Facility Technical Staff: Mike Krolak

Project Manager: Jim Bartridge Docket: 01-AFC-23 Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Pages 5.5-1 to 12	No	Please describe monitoring plans that will be implemented to assure effectiveness of drainage and erosion/sedimentation control mitigation measures.
Appendix B (g) (14) (A)	All information required by the Regional Water Quality Control Board in the region where the project will be located to apply for:		No	See below.
Appendix B (g) (14) (A) (i)	Waste Discharge Requirements; and	Pages 5.5-6 & 7	No	See below.
Appendix B (g) (14) (A) (ii)	a National Pollutant Discharge Elimination System Permit.	Pages 5.5-6 & 7	No	The AFC states that all non-contact stormwater will be contained on-site, and that no discharges will reach designated waters of the United States, therefore eliminating the need for an NPDES permit for the Operational Phase of the project. Please provide a letter from the Central Valley Regional Water Quality Control Board confirming that the project's design will not lead to a discharge of stormwater off-site and therefore will not require an NPDES permit. If the project will be discharging any stormwater off-site, the project may be required to apply for an NPDES permit or Waste Discharge Requirements.

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12.12.01

Technical Area: Water Resources

Project: Los Banos Voltage Support Facility

Technical Staff: Mike Krolak

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (14) (B)	A description of the hydrologic setting of the project. The information shall describe, in writing and on maps at a scale of 1:24,000, the chemical and physical characteristics of the following water bodies that may be affected by the proposed project:	Map: Figure 5.5-1 Pages 5.5-2 to 5	Yes	
Appendix B (g) (14) (B) (i)	Ground water bodies and related geologic structures;	Pages 5.5-2 to 4	Yes	
Appendix B (g) (14) (B) (ii)	Surface water bodies; and	Pages 5.5-3 & 4	Yes	
Appendix B (g) (14) (B) (iii)	Water inundation zones, such as the 100-year flood plain and tsunami run-up zones.	Figure 5.5-2 Pages 5.5-4, 5 & 7	Yes	
Appendix B (g) (14) (C)	A description of the water to be used and discharged by the project. This information shall include:	Page 5.5-4	No	See below.
Appendix B (g) (14) (C) (i)	Source of the water and the rationale for its selection, and if fresh water is to be used for power plant cooling purposes, a discussion of all other potential sources and an explanation why these sources were not feasible;	Page 5.5-4	Yes	
Appendix B (g) (14) (C) (ii)	The physical and chemical characteristics of the source and discharge water;	Page 5.5-4	No	The AFC contains a qualitative discussion of local groundwater. Please provide a quantitative analysis of the physical and chemical characteristics of the groundwater to be used for the project. Please also provide a similar analysis of water to be used during construction.

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12.12.01

Technical Area: **Water Resources**

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Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (14) (C) (iii)	Average and maximum daily and annual water demand and waste water discharge for both the construction and operation phases of the project; and	None	No	Please provide information on water to be used and discharged during construction. Include the source of the water, the amounts to be used, as well as volumes of the expected waste streams.
Appendix B (g) (14) (C) (iv)	A description of all facilities to be used in water conveyance, treatment, and discharge. Include a water mass balance diagram.	Pages 5.5-4 to 6	No	The AFC indicates that contact stormwater will be routed to a "stormwater collection system". Please provide a conceptual description of the system to be implemented. The AFC indicates that non-contact stormwater will be routed to an evaporation/percolation pond. Please provide a conceptual description of the pond, including size/capacity, location in relation to the facility, and other relevant design properties such as whether or not the pond is lined.
Appendix B (g) (14) (D)	A description of pre-, and post-construction runoff and drainage patterns, including:	Pages 5.5-6 & 7	No	See below.
Appendix B (g) (14) (D) (i)	Precipitation and storm runoff patterns; and	Pages 5.5-6 & 7	No	Please provide a topographic map with additional features that clearly indicate runoff patterns for the pre-construction conditions.
Appendix B (g) (14) (D) (ii)	Drainage facilities and design criteria.	Pages 5.5-6 & 7	No	Please provide a topographic map with additional features that clearly indicate runoff patterns for the post-construction condition. This map should also indicate all drainage and impoundment facilities to be employed by the project, as well as clear indications of their effect on runoff patterns.
Appendix B (g) (14) (E)	An assessment of the effects of the proposed project on water resources. This discussion shall include:	Pages 5.5-5 to 9	No	See below.

Adequacy Issue: Adequate _____ Inadequate **X** **DATA ADEQUACY WORKSHEET** Revision No. 0 Date 12.12.01

Technical Area: **Water Resources** Project: Los Banos Voltage Support Facility Technical Staff: Mike Krolak

Project Manager: Jim Bartridge Docket: 01-AFC-23 Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (14) (E) (i)	The effects of project demand on the water supply and other users of this source;	Pages 5.5-8 & 9	No	Please provide information on other groundwater users in the vicinity of the project. Provide estimates of annual water withdrawals from the aquifer and discuss potential impacts on the local water table and any other users of that source.
Appendix B (g) (14) (E) (ii)	The effects of construction activities and plant operation on water quality; and	Pages 5.5-5 to 7	No	Please provide an analysis of the project's construction water demand on other users of the selected source. Provide a description of wastewater management techniques to be implemented by the project during construction.
Appendix B (g) (14) (iii)	The effects of the project on the 100-year flood plain or other water inundation zones.	Pages 5.5-7	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 5.5-1	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 5.5-2	Yes	

Adequacy Issue: Adequate _____ Inadequate **X** **DATA ADEQUACY WORKSHEET** Revision No. 0 Date 12.12.01

Technical Area: **Water Resources** Project: Los Banos Voltage Support Facility Technical Staff: Mike Krolak

Project Manager: Jim Bartridge Docket: 01-AFC-23 Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Table 5.5-1 Pages 5.5-9 to 11	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.5-2	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Table 5.5-3	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET
(Six Month Expedited Process)

Revision No. 0 Date 12.17.01

Technical Area: **Water Resources**

Project: Los Banos Voltage Support Facility

Technical Staff: Mike Krolak

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Pages 7-16 to 7-21	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Pages 5.5-1 to 12	No	The AFC states that all non-contact stormwater will be contained on-site, and that no discharges will reach designated waters of the United States, therefore eliminating the need for an NPDES permit for the Operational Phase of the project. Please provide a letter from the Central Valley Regional Water Quality Control Board confirming that the project's design will not lead to a discharge of stormwater off-site and therefore will not require an NPDES permit. Please submit information supplied to the Board to make this determination, including design specifications and calculations that verify that the evaporation and percolation pond will be able to contain all stormwater associated with project operation. For worst-case scenario, please provide calculations that show the project would not discharge any stormwater during the 100-year storm event. If the project will be discharging any stormwater off-site, the project may be required to apply for an NPDES permit or Waste Discharge Requirements.
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and		N/A	

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET
(Six Month Expedited Process)

Revision No. 0 Date 12.17.01

Technical Area: **Water Resources**

Project: Los Banos Voltage Support Facility

Technical Staff: Mike Krolak

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;		No	Please provide any state and/or county requirements regarding stormwater detention ponds. Please also provide Regional Water Quality Control Board requirements for an application for an NPDES General Permit for Stormwater Discharges Associated with Construction Activities.
§2022(b)(2)	Substantial evidence that the project as proposed in the application will not cause a significant adverse impact on the environment, including the following:			
§2022(b)(2)(E) (Water)	If the project will result in a discharge of waste that could affect the water quality of the state, a complete report of proposed waste discharge as required by section 13260 of the Water Code. This will allow for issuance of waste discharge requirements by the appropriate regional water quality control board within 100 days after filing the application in accordance with Public Resources Code section 25550(d);	Pages 5.5-6 & 7	No	The AFC states that all non-contact stormwater will be contained on-site, and that no discharges will reach designated waters of the United States, therefore eliminating the need for an NPDES permit. In order to determine compliance with applicable NPDES regulations, please submit design specifications and calculations that verify that the evaporation and percolation pond will be able to contain all stormwater associated with project operation. For worst-case scenario, please provide calculations that show the project would not discharge any stormwater during the 100-year storm event. If the project will be discharging any stormwater off-site, the project may be required to apply for an NPDES permit or Waste Discharge Requirements.
§2022(b)(5)(B) (Water)	A will-serve letter or similar document from each provider of water to the project, indicating each provider's willingness to provide water to the project and describing all conditions under which the water will be provided, and a discussion of all other contractual agreements with the applicant pertaining to the provision of water to the project.		N/A	

Adequacy Issue: Adequate **X** Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12/20/01

Technical Area: **Worker Safety & Fire Protection**

Project: Los Banos Voltage Support Facility

Technical Staff: Rick Tyler

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Rick Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 5.17	Yes	
Appendix B (g) (11) (A)	A description of the safety training programs which will be required for construction and operation personnel.	Section 5.17.4	Yes	
Appendix B (g) (11) (B)	A complete description of the fuel handling system and the fire suppression system.	Sections 3.4	Yes	
Appendix B (g) (11) (C)	Provide draft outlines of the Construction Health and Safety Program and the Operation Health and Safety Program, as follows:	5.17	Yes	
	Construction Health and Safety Program: * Injury and Illness Prevention Plan (8 Cal. Code Regs., § 1509);		Yes	
	• Fire Protection and Prevention Plan (8 Cal. Code Regs., § 1920); * Personal Protective Equipment Program (8 Cal. Code Regs., §§ 1514-1522)		Yes	
	Operation Health and Safety Program: * Injury and Illness Prevention Program (8 Cal. Code Regs., § 3203);		Yes	
	* Fire Prevention Plan (8 Cal. Code Regs., § 3221);		Yes	
	* Emergency Action Plan (8 Cal. Code Regs., § 3220);		Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12/20/01

Technical Area: **Worker Safety & Fire Protection**

Project: Los Banos Voltage Support Facility

Technical Staff: Rick Tyler

Project Manager: Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Rick Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (11) (C) (Continued)	* Personal Protective Equipment Program (8 Cal. Code Regs., §§ 3401-3411).		Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 5.17-3 and 5.17-4	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Section 5.17-6	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 5.17	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.17-6	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Section 5.17-7	Yes	

Adequate **X** Inadequate

DATA ADEQUACY WORKSHEET

(Six Month Expedited Process)

Revision No. 0 Date 12/20/01

Worker Safety and Fire Protection

Project: Los Banos Voltage Support Facility

Technical Staff: Rick Tyler

Jim Bartridge

Docket: 01-AFC-23

Technical Senior: Rick Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Section 5.17	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Section 5.17	Yes	
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and		N/A	
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;		N/A	